

Lower Duwamish Waterway Group

Port of Seattle | City of Seattle | King County | The Boeing Company

TECHNICAL MEMORANDUM:

CRITERIA FOR DEFINING THE BASELINE SURFACE SEDIMENT DATASET FOR USE IN THE LOWER DUWAMISH WATERWAY PHASE 2 RI/FS

FINAL

For submittal to

The US Environmental Protection Agency
Region 10
Seattle, WA

The Washington State Department of Ecology
Northwest Regional Office
Bellevue, WA

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Appendix A. Baseline Surface Sediment Dataset

Appendix B. Chemistry Data for Samples that Supersede Older Samples

Acronyms

Acronym	Definition
CSO	combined sewer overflow
DQO	data quality objective
EBDRP	Elliott Bay/Duwamish Restoration Program
Ecology	Washington State Department of Ecology
EPA	US Environmental Protection Agency
HHRA	human health risk assessment
KC WQA	King County Water Quality Assessment
LDW	Lower Duwamish Waterway
LDWG	Lower Duwamish Waterway Group
NOAA	National Oceanic and Atmospheric Administration
QA/QC	quality assurance/quality control
RI	Remedial Investigation
SD	storm drain
USACE	US Army Corps of Engineers
Windward	Windward Environmental LLC

1.0 Introduction

The Phase 2 Remedial Investigation/Feasibility Study (RI/FS) for the Lower Duwamish Waterway (LDW) will include baseline human health and ecological risk assessments. The surface sediment chemistry data to be used for these baseline risk assessments will be compiled from numerous sampling events that have occurred from 1990 to 2005. This dataset will be referred to throughout this document as the baseline surface sediment dataset. Some of these data are not appropriate for use in the baseline risk assessments for one or more of the following reasons, each of which is discussed in greater detail later in this document:

- ◆ the sediment sampling horizon was too deep to be considered surface sediment
- ◆ the sediment characterized by the sample was removed (i.e., dredged) after the sample was collected
- ◆ the sample was collected after removal actions at two early action areas (Duwamish/Diagonal and the 2003 Boeing cleanup at Norfolk)
- ◆ the sediment sampling location was resampled at a later date, either as part of a monitoring program or to characterize temporal trends
- ◆ the quality of the data does not meet Superfund standards or the data quality could not be confirmed

Baseline risk assessments provide an evaluation of the potential threat to human health and the environment in the absence of any remedial action (EPA 1988). Since the RI/FS began in December 2000, there have been two sediment removal actions at early action areas within the LDW (the dredging and thin-layer capping at Duwamish/Diagonal that was performed by King County under the Elliott Bay/Duwamish Restoration Program [EBDRP] and the sediment removal at Norfolk that was performed by the Boeing Company under the Washington State Department of Ecology's Voluntary Cleanup Program). These removal actions complicate the definition of baseline for the LDW. There is no US Environmental Protection Agency (EPA) policy or guidance about whether baseline risk assessments should include or exclude risk reduction achieved by removal actions that occur during the RI/FS. The Lower Duwamish Waterway Group (LDWG) proposes to exclude the risk reduction provided by these two removal actions in the baseline risk assessments. The risk reduction achieved at these two areas will be evaluated in the FS as part of the residual risk assessment. The primary consequence of this approach is that baseline conditions are not synonymous with the conditions that currently exist at these two early action areas. Throughout the rest of the LDW, baseline conditions are represented by the sum total of the Phase 1 and Phase 2 surface sediment samples. This inconsistency is appropriate because LDWG members who sponsored these removal actions place

great importance on demonstrating the benefits of such actions to the public. If the reductions in sediment contamination resulting from these actions were included in the definition of baseline, it would not be possible to demonstrate the subsequent reductions in risk.

The RI will also include an evaluation of the nature and extent of chemical contamination in surface sediments. The baseline surface sediment dataset described in this memorandum will be an important component of the discussion of the current nature and extent of contamination in the RI report, and will support risk calculations and modeling of contaminant transfer from sediments through the food web. Data that are excluded from the baseline surface sediment dataset because they were superseded by more recent data at the same location will be included in the RI report as part of a discussion of temporal trends in sediment contamination or as part of the uncertainty analysis in the risk assessments. In particular, post-removal data from the two early action areas described above will be discussed in the RI.

This document summarizes, in tabular format, all the surface sediment samples that have been collected in the LDW from 1990 to 2005, and identifies those that are proposed for inclusion in the baseline surface sediment dataset and those that are proposed for exclusion, along with the rationale for their exclusion. Sections 2 through 5 discuss in more detail the different criteria for inclusion or exclusion of data in the baseline surface sediment dataset. Section 6 summarizes the Lower Duwamish Waterway Group's (LDWG's) recommendations for the baseline surface sediment dataset.

2.0 Sampling Depth

For the purposes of the Phase 2 RI/FS, surface sediment samples are those collected from the top 15 cm (6 in) of the sediment horizon, but not deeper. This depth horizon is often referred to as the biologically active zone.¹ Samples collected from depths greater than 15 cm below mudline will not be included in the baseline surface sediment dataset because most humans and ecological receptors are unlikely to be exposed to sediments below this depth. This definition was developed in the Phase 1 RI (Windward 2003a) and will also be used throughout Phase 2. Samples containing the 0–15 cm interval, but also deeper intervals, such as a 0–30 cm segment from a sediment core, will also be excluded from the baseline surface sediment dataset.

People digging clams in the LDW could be exposed to sediments deeper than 15 cm, but very few samples have been collected at depths deeper than 15 cm in clam habitat areas. It will therefore be necessary to assume that chemical concentrations at 0–5 cm are the same as at 0–30 cm for the clam digging scenario in the baseline human health

¹ Some benthic invertebrates, such as clams, may burrow deeper than 15 cm.

risk assessment (HHRA). The uncertainty associated with this assumption will be addressed in the HHRA.

At some locations within the LDW, erosion during extreme high-flow events could be large enough to cause sediments deeper than 15 cm to be exposed at a new sediment surface, thereby potentially exposing animals or people to sediments currently buried. The likelihood of extreme high-flow events occurring is described in the sediment stability analysis report (Windward and QEA 2005). The risk from exposure to subsurface sediments deeper than 15 cm will be evaluated in an appendix to the RI report.

At four locations associated with the Norfolk monitoring program (see Section 4.1), two surface sediment samples were collected at each location, one from 0–2 cm and the other from 0–10 cm. The shallower sample was intended to characterize only the most recently deposited sediment. Because the 0–10 cm depth horizon is more appropriate for use in the baseline risk assessments, the 0–2 cm samples at these locations will be excluded from the baseline surface sediment dataset.

3.0 Surface Sediment Samples Collected from Dredged Areas

Surface sediment samples that were collected within dredged area boundaries prior to dredging will be excluded from the baseline surface sediment dataset because the sediment is no longer present. This protocol was originally developed in the Phase 1 RI (Windward 2003a). Table 3-1 and Figure 3-1 show all dredging events that took place outside the navigation channel between 1992 and 2005. Specific locations and the samples associated with those locations that will be excluded because of these dredging events are listed in Table A-1. There are two exceptions to the dredge exclusion statement above, both associated with early action areas (Windward 2003b), as noted in Table 3-1. The relationship between the dredging associated with these two early action areas and the baseline surface sediment dataset is described later in this section.

Table 3-1. Dredging events outside of navigation channel

DREDGING EVENT	YEAR OF DREDGING	LOCATION (RIVER MILE)
Morton	1992	RM 2.85 -2.95 west
South Park	1992	RM 3.35-3.45 west
Lone Star 92	1992	RM 1.45-1.5 west
Terminal 115	1993	RM 1.9-1.95 west
Lone Star – Hardie	1995	RM 1.55-1.6 east
Crowley	1996	RM 2.8-2.85 east
Hurlen-Boyer	1998	RM 2.4-2.5 west and RM 2.65-2.75 west
James Hardie	1999	RM 1.55-1.75 east

DREDGING EVENT	YEAR OF DREDGING	LOCATION (RIVER MILE)
Duwamish Yacht Club	1999	RM 3.95-4.05 west
Norfolk (EBDRP)	1999	RM 4.85-4.95 east
Glacier Ready-mix Facility	2001	RM 1.7 east
Delta Marine	2002	RM 4.2 west
Norfolk (Boeing) ^a	2003	RM 4.9 east
Duwamish/Diagonal ^a	2003/2004	RM 0.4-0.6 east
Lehigh Northwest	2004	RM 1.0 – 1.1 east
Terminal 103	2005	RM 0 – 0.07 west
Glacier NW	2005	RM 1.45 – 1.55 west

EBDRP = Elliott Bay/Duwamish Restoration Program

^a Data associated with this early action area are handled differently than data associated with the other dredging events listed on this table, as described later in this section.

In addition to the dredging events listed in Table 3-1, upstream portions of the LDW navigation channel between RM 3.35 and the turning basin at RM 4.7 have been dredged periodically by the US Army Corps of Engineers (USACE) to maintain sufficient depth for vessel traffic and to keep sediments from upstream that deposit in that area from being transported into areas farther downstream. The maintenance dredging events that have occurred in this portion of the navigation channel since 1990 are listed in Table 3-2. The most upstream portion of the LDW, between RM 4.2 and RM 4.7, is dredged frequently (i.e., every 2 to 4 years) because sediments entering the LDW from the upper Duwamish and Green rivers are deposited in and near the upper turning basin. Surface sediment samples collected from this area (approximately RM 4.2 to 4.7) will be considered baseline because they represent "current" conditions given the frequent dredging of this area. The sediment in this region of the LDW navigation channel (e.g., RM 4.2 to 4.7) is generally clean and suitable for open-water disposal in Elliott Bay. Surface sediment samples from the federal navigation channel that were collected before June 1999 between RM 3.35 and RM 4.2, an area that has not been dredged frequently, will be excluded from the baseline surface sediment dataset because these sediments do not represent current conditions (Table A-1). This convention was originally adopted during the Phase 1 RI as a result of meetings between LDWG, the US Environmental Protection Agency (EPA), the Washington State Department of Ecology (Ecology), and the USACE. The surface sediment samples collected from this area are listed in Table A-1.

Table 3-2. Navigation channel dredging events conducted by USACE

YEAR	LOCATION (RIVER MILE)
1990	RM 4.0 – 4.65
1992	RM 3.35 – 4.65
1994	RM 4.2 – 4.65
1996	RM 4.18 – 4.6
YEAR	LOCATION (RIVER MILE)
1997	RM 4.2 – 4.6
1999	RM 3.35 – 4.65
2002	RM 4.3 – 4.65
2004	RM 4.3 – 4.65

Throughout the history of this project, the Duwamish/Diagonal area has been identified as an early action area. Because the benefits of early action areas on overall sediment quality and risk reduction will be evaluated in the residual risk assessment that will be conducted as part of the Phase 2 RI/FS, the pre-removal conditions are the most relevant for baseline conditions.

Dredging occurred at the Duwamish/Diagonal early action area during the 2003/2004 dredging season. LDWG proposes to use pre-dredging data within the removal area to characterize baseline.

There have been ten separate sampling events associated with the Duwamish/Diagonal area, as listed in Table 3-3 and shown in Figure 3-2. The first three sampling events took place between August 1994 and September 1996, prior to the dredging that occurred between October 2003 and March 2004 (Table 3-3). Samples collected during these first three events will be included in the baseline surface sediment dataset. Similarly, the data from the perimeter sampling conducted prior to dredging in October 2003 will also be included in the baseline surface sediment dataset.

Table 3-3. Duwamish/Diagonal sampling events

EVENT NAME	DESCRIPTION	DATE	INCLUDED IN BASELINE?
Duw/Diag-1	Phase 1 site assessment	Aug 1994	yes
Duw/Diag-1.5	Phase 1.5 site assessment	Nov 1995	yes
Duw/Diag-2	Phase 2 site assessment	May-Sep 1996	yes
DuwDiagOctober2003	Perimeter monitoring – pre-dredge	Oct 2003	yes
DuwDiagMarch2004	Perimeter monitoring – post-dredge	Mar 2004	no
DuwDiagJune2004	Baseline cap monitoring – year 0	June 2004	no
DuwDiagJan2005	Perimeter monitoring – one year post-dredge before thin-layer cap placement	Jan-Feb 2005	no
LDWRI-SurfaceSediment	Phase 2 RI sampling conducted by LDWG	Jan-Feb 2005	no ^a
DuwDiagMar2005	Perimeter monitoring – one year post-dredge after thin-layer cap placement	Mar 2005	no
DuwDiagApril2005	Cap monitoring – year 1	April 2005	no

^a Only samples from the five locations described in the text below will be excluded from the baseline surface sediment dataset. The other samples collected by LDWG in Jan-Feb 2005 are appropriate for inclusion in baseline.

The perimeter locations sampled in October 2003 were also sampled in March 2004 and January and February 2005 as part of continued post-dredge monitoring (King County et al. 2005). These sampling events, and the other three King County Duwamish/Diagonal sampling events listed in Table 3-3, were conducted to monitor conditions within and adjacent to the removal action area. In addition, LDWG collected surface sediment samples in this area during January and February 2005 (Windward 2005a, b). The results for these LDWG samples also reflect post-removal conditions in this area. The area outside the dredge boundary that was affected by the dredging activity has not been precisely defined. A review of the post-removal monitoring data collected by King County suggests that a perimeter 200 ft from the dredge boundary is reasonable for delineating the area potentially influenced by the removal action. Five locations sampled by LDWG (Windward 2005a, b) are within this 200 ft perimeter: LDW-SS18, LDW-SS20, LDW-SS21, LDW-SS22, and LDW-SS25.² The post-removal data collected by King County at Duwamish/Diagonal and the LDWG Phase 2 data from the five locations described above will be used in the FS to represent post-removal conditions, but they are not relevant to baseline conditions and will be excluded from the baseline surface sediment dataset. A list of all samples from locations shown in Figure 3-2 and their recommended status relative to the baseline surface sediment dataset is provided in Table A-1.

Decisions regarding the baseline surface sediment dataset relative to the removal action conducted by the Boeing Company at the Boeing Developmental Center south storm drain outfall just north of the Norfolk Combined Sewer Overflow and Storm Drain (CSO/SD) outfall (PPC 2003) follow the same logic described above for the Duwamish/Diagonal area. This area was previously identified as an early action area and the effects of this early action will be quantified in the residual risk assessment. Surface sediment samples collected within the removal area boundary prior to the removal will be part of the baseline surface sediment dataset, while samples collected on top of the capped removal area following the removal will be evaluated in the FS. A previous removal action was conducted by King County in 1999 at the Norfolk early action area as part of the EBDRP. Because this action occurred prior to the start of the RI/FS, the baseline surface sediment dataset will reflect post-removal conditions in the area where the 1999 removal and subsequent capping occurred.

² Two of these locations (LDW-SS18 and LDW-SS20) were sampled by King County as part of their one-year post-dredge perimeter monitoring. LDWG received splits of these samples from King County and conducted additional analyses (i.e., dioxins/furans and tributyltin) that were not planned by King County.

4.0 Surface Sediment Samples Collected from Resampled Stations

Many locations in the LDW have been sampled more than once, either as part of long-term monitoring programs (Section 4.1) or other investigations (Section 4.2). The samples and rationale for those surface sediment samples that are proposed for exclusion from the baseline surface sediment dataset for this reason are described below. With some exceptions, as described below, the most recent data from a location will be included in the baseline surface sediment dataset, while older surface sediment chemistry data from the same locations will be excluded.

4.1 SURFACE SEDIMENT DATA COLLECTED AS PART OF MONITORING PROGRAMS

Surface sediment data have been collected repeatedly at certain locations as part of three LDW monitoring programs: 1) Duwamish/Diagonal samples collected around the perimeter of the removal action (King County et al. 2005), 2) samples collected as part of the Norfolk five-year monitoring program (King County 2005), and 3) samples collected by King County for the Water Quality Assessment of the Duwamish River and Elliott Bay (King County 1999). Each of these is discussed below.

The Duwamish/Diagonal monitoring data were discussed in Section 3. Because this is an early action area, the monitoring data collected after the removal action will not be included in the baseline surface sediment dataset, so the rule for including only the most recent monitoring data is not being applied to this dataset at this time.

The second set of monitoring data was collected as part of the Norfolk five-year monitoring program, which was established in the area of the Norfolk CSO/SD outfall. Following dredging and backfilling at this site in 1999, four locations were sampled annually. The most recent samples (from 2004) from these monitoring locations will be included in the baseline surface sediment dataset to most accurately reflect current conditions. Several other locations within the removal area were sampled only once in previous years, but are considered to be part of the Norfolk CSO/SD monitoring program put in place after the removal action. Although the data from those locations may be somewhat older than the most recent monitoring data, they will be included in the baseline surface sediment dataset because they characterize locations other than the four primary sampling locations.

There are four sediment sampling stations associated with the Norfolk CSO/SD 5-year monitoring program. Data from these samples are intended to evaluate changes on the cap over time and therefore are interpreted to represent conditions on the cap for the year sampled. However, LDWG recognizes that not all of these samples were collected within 10 ft of each other. In several instances, the coordinates for the most recent occupation of the four primary monitoring stations are more than 10 ft (maximum of 34 ft) from the coordinates for previous occupations of these same monitoring stations,

as shown in Table 4-1 and Figure 4-1. In these instances, the older samples, with a few exceptions, should also be included in baseline because they are more than 10 ft away from the 2004 sample locations. When older samples are within 10 ft of a newer sample, only the newer sample is included in the baseline dataset. Therefore, although eleven samples are listed in Table 4-1 as being more than 10 ft away from 2004 sampling locations, only seven of these samples are appropriate for the baseline surface sediment dataset. The other four samples, as identified in Table 4-1, are within 10 ft of samples collected in subsequent monitoring years prior to 2004 (Figure 4-1). Thus, these samples will be excluded from the baseline dataset following the rule described in Section 4.2.

Table 4-1. 1999-2002 Norfolk CSO/SD monitoring event coordinates more than 10 ft from 2004 monitoring event coordinates

STATION ID	MONITORING DATE	DISTANCE FROM 2004 COORDINATES (FT)
NFK501	April 1999	19 ^a
	October 1999	22
	April 2000	31
	April 2001	17
NFK502	April 1999	34
NFK503	April 1999	23
	October 1999	13 ^b
	April 2000	15 ^b
	April 2001	18 ^b
	April 2002	17
NFK504	October 1999	11

^a Not included in baseline dataset; superseded by the sample collected in April 2001 from this location

^b Not included in baseline dataset; superseded by the sample collected in April 2002 from this location

The third set of monitoring data was collected as part of the King County Water Quality Assessment (KC-WQA), which took place in 1997 (King County 1999). Five locations [Kellogg Island (RM 0.7 west), Brandon (RM 1.2 east), 8th Ave (RM 2.8 west), South Park (RM 3.3 west), and Hamm Creek (RM 4.4 west)] were sampled repeatedly over a 13-week period in an attempt to document short-term variability in sediment characteristics relative to CSO/SD flows entering the LDW. Because the sampling period was relatively short (i.e., months compared to years for most monitoring programs), all of these samples will be included in the baseline surface sediment dataset. For mapping purposes, all results for a given chemical collected at each single location will be averaged. This convention is consistent with the data averaging procedures used for field duplicates and replicates collected at any single location.

4.2 SURFACE SEDIMENT DATA COLLECTED OUTSIDE OF MONITORING PROGRAMS

The Phase 2 surface sediment sampling conducted in the LDW in 2005 included many sampling locations that were intended to re-occupy previously sampled locations (Windward 2005a, b, c). The primary rationale for resampling these locations was to evaluate whether elevated surface sediment chemical concentrations that existed in the past still exist and to test for toxicity at some locations with historically elevated chemical concentrations (Windward 2005c). In addition, historical surface sampling locations have been resampled for similar reasons during other more recent surface sediment sampling events conducted either by a subset of LDWG members or by other parties. For the purposes of defining the baseline surface sediment dataset, surface sediment chemistry data from older sampling locations located within 10 ft of a more recent sediment sampling location will be superseded by the corresponding newer data from those locations for the following reasons:

- ◆ While some of the more recent target coordinates were intended to re-occupy previously sampled locations by matching coordinates, there is inherent measurement error³ in the differential global positioning systems (DGPS) used in these surveys. Based on this measurement error, samples whose coordinates are located within 10 ft of each other cannot be determined to have been collected from different locations.⁴
- ◆ More recent results are assumed to more accurately represent current conditions
- ◆ For locations with both historical and Phase 2 data collected by LDWG, only Phase 2 surface sediment data were considered in making decisions about which samples to test for toxicity (Windward 2005a, b)

If the coordinates for the newer sampling location are more than 10 ft from the original coordinates, it was not considered a true reoccupation and will be evaluated as a separate station.

Two samples collected at locations very close to each other (i.e., within 10 ft) at different times reflect both the spatial and temporal heterogeneity of the chemical concentrations in the sediment. If such samples were collected at essentially the same time, as is the case for field replicates, then any differences in chemical concentrations can be attributed to spatial heterogeneity or variability resulting from laboratory procedures. If such samples were collected several years apart, it is not possible to distinguish between temporal and spatial heterogeneity as the cause of any differences in chemical concentrations. The recommendation to exclude the older data from the

³ The differential global positioning system used for Phase 1 and Phase 2 surface sediment sampling has a measurement error of approximately 3-6 ft.

⁴ Given the inherent measurement error, it is also possible that samples ostensibly collected within 10 ft of each other may have been more than 10 ft apart.

baseline surface sediment dataset in favor of data from newer co-located samples is based on the assumption that for two co-located (i.e., within 10 ft) samples collected at least 6 months apart, any differences in analyte concentrations are primarily a reflection of a temporal trend, and not of spatial variation. Therefore, for co-located samples collected within 6 months of each other, both will be kept in the baseline surface sediment dataset and the results averaged for that location. For co-located samples collected more than 6 months apart, the most recent samples will be retained in the baseline surface sediment dataset, and the earlier sample(s) will not be included. The 6-month cutoff is based on best professional judgment.

In some cases, as shown in Table 4-2, more than one sample was collected at a single location. In other cases, two samples from two different events or multiple samples from a single event⁵ were collected within 10 ft of a more recently sampled location. In such cases, all the older samples are superseded by the newer sample. The numbers of samples in Table 4-2 that fall within the various categories are summarized in Section 6.

⁵ An extreme example of this situation is shown in Table 4-1, where 10 samples from Harbor Island RI station K-05 are superseded by a single more recently collected sample (LDW-SS10-010). The large number of samples at station K-05 is an artifact of the manner in which the original Harbor Island RI database was constructed by the study authors. Unique sample IDs were created for different analyte classes, even though only two field samples were collected on September 27 and October 14, 1991.

Table 4-2. Newer surface sediment samples that will supersede older surface sediment samples from locations within 10 ft

NEWER EVENT/LOCATION/SAMPLE/DATE				RIVER MILE	OLDER EVENT/LOCATION/SAMPLE				NOMINAL DISTANCE (ft) BETWEEN NEW AND OLD COORDINATES
EVENT	LOCATION	SAMPLE	SAMPLING DATE		EVENT	LOCATION	SAMPLE	SAMPLING DATE	
LDWRI-SurfSedRound1	LDW-SS1	LDW-SS1-010	1/17/05	0.0	Harbor Island RI	K-11	K-11	9/30/91	0.6
LDWRI-SurfSedRound1	LDW-SS4	LDW-SS4-010	1/17/05	0.0	Harbor Island RI	K-07	K-07	9/30/91	1.4
LDWRI-SurfSedRound1	LDW-SS5	LDW-SS5-010	1/17/05	0.0	EPA SI	DR076	SD-DR076-0000	8/24/98	1.5
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-1	10/14/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-1-B	10/14/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-1-D1	9/27/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-1-D2	10/14/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-2	10/14/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-2-D1	9/27/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-2-D2	10/14/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-3	10/14/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-3-D1	9/27/91	1.3
LDWRI-SurfSedRound1	LDW-SS10	LDW-SS10-010	1/17/05	0.2	Harbor Island RI	K-05	K-05-3-D2	10/14/91	1.3
LDWRI-SurfSedRound1	LDW-SS12	LDW-SS12-010	1/17/05	0.2	EPA SI	DR035	SD-DR035-0000	8/11/98	2.1
LDWRI-SurfSedRound1	LDW-SS15	LDW-SS15-010	1/17/05	0.3	EPA SI	DR079	SD-DR079-0000	8/24/98	1.7
LDWRI-SurfSedRound1	LDW-SS17	LDW-SS17-010	1/24/05	0.3	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	3.3
Duw/Diag-1.5	DUD032	L7279-3	11/9/95	0.4	Duw/Diag-1	DUD032	L4288-27	8/12/94	0.0
KC WQA	DD-1	L12059-1	9/24/97	0.4	Duw/Diag-1	DUD001	L4288-30	8/17/94	4.5
KC WQA	DD-1	L12666-1	9/24/97	0.4	Duw/Diag-1	DUD001	L4288-30	8/17/94	4.5
KC WQA	DD-2	L12666-2	9/24/97	0.4	Duw/Diag-1	DUD006	L4288-5	8/10/94	4.2
KC WQA	DD-2	L12666-3	9/24/97	0.4	Duw/Diag-1	DUD006	L4288-5	8/10/94	4.2
KC WQA	DD-3	L12059-3	9/24/97	0.5	Duw/Diag-1	DUD022	L4288-21	8/10/94	4.3
KC WQA	DD-3	L12666-4	9/24/97	0.5	Duw/Diag-1	DUD022	L4288-21	8/10/94	4.3

NEWER EVENT/LOCATION/SAMPLE/DATE				RIVER MILE	OLDER EVENT/LOCATION/SAMPLE				NOMINAL DISTANCE (ft) BETWEEN NEW AND OLD COORDINATES
EVENT	LOCATION	SAMPLE	SAMPLING DATE		EVENT	LOCATION	SAMPLE	SAMPLING DATE	
KC WQA	DD-4	L12666-5	9/24/97	0.5	Duw/Diag-1	DUD034	L4288-28	8/12/94	4.5
KC WQA	DD-4	L12666-6	9/24/97	0.5	Duw/Diag-1	DUD034	L4288-28	8/12/94	4.5
KC WQA	DD-5	L12059-5	9/24/97	0.5	Duw/Diag-1.5	DUD039	L7279-8	11/9/95	4.2
KC WQA	DD-5	L12666-7	9/24/97	0.5	Duw/Diag-1.5	DUD039	L7279-8	11/9/95	4.2
DuwDiagOct2003	DUD_4C	L29990-4	10/23/03	0.6	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	6.0
DuwDiagOct2003	DUD_4C	L29990-5	10/23/03	0.6	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	6.0
LDWRI-SurfSedRound1	LDW-SS27	LDW-SS200-010	1/18/05	0.8	NOAA SiteChar	EST219	EST21-03	9/17/97	4.5
LDWRI-SurfSedRound1	LDW-SS27	LDW-SS27-010	1/18/05	0.8	NOAA SiteChar	EST219	EST21-03	9/17/97	4.5
LDWRI-SurfSedRound2	LDW-SSB2b	LDW-SSB2b-010	3/11/05	0.8	EPA SI	DR085	SD-DR085-0000	8/31/98	5.6
EPA SI	DR048	SD-DR048-0000	8/12/98	0.9	NOAA SiteChar	WST367	WST20-02	9/19/97	6.3
LDWRI-SurfSedRound1	LDW-SS32	LDW-SS32-010	1/18/05	0.9	EPA SI	DR019	SD-DR019-0000	8/17/98	0.6
LDWRI-SurfSedRound1	LDW-SS31	LDW-SS31-010	1/21/05	0.9	EPA SI	DR020	SD-DR020-0000	8/17/98	1.0
LDWRI-SurfSedRound1	LDW-SS37	LDW-SS37-010	1/18/05	1.0	EPA SI	DR087	SD-DR087-0000	8/12/98	2.5
LDWRI-SurfSedRound1	LDW-SS40	LDW-SS40-010	1/18/05	1.1	EPA SI	DR088	SD-DR088-0000	8/31/98	1.1
LDWRI-SurfSedRound1	LDW-SS44	LDW-SS44-010	1/21/05	1.2	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	1.6
LDWRI-Benthic	B4b	LDW-B4b-S	8/28/04	1.3	EPA SI	DR028	SD-DR028-0000	8/17/98	2.3
LDWRI-SurfSedRound1	LDW-SS48	LDW-SS48-010	1/18/05	1.3	DuwamishShipyard	SS-2	SS-2	8/17/93	1.5
LDWRI-SurfSedRound1	LDW-SS50	LDW-SS202-010	1/24/05	1.3	EPA SI	DR030	SD-DR030-0000	8/17/98	1.9
LDWRI-SurfSedRound1	LDW-SS50	LDW-SS50-010	1/24/05	1.3	EPA SI	DR030	SD-DR030-0000	8/17/98	1.9
LDWRI-SurfSedRound1	LDW-SS51	LDW-SS51-010	1/18/05	1.3	EPA SI	DR160	SD-DR160-0000	8/12/98	2.4
LDWRI-SurfSedRound1	LDW-SS49	LDW-SS49-010	1/26/05	1.4	DuwamishShipyard	SS-3	SS-6	8/17/93	8.0
LDWRI-SurfSedRound1	LDW-SS49	LDW-SS49-010	1/26/05	1.4	DuwamishShipyard	SS-3	SS-3	8/17/93	8.0
LDWRI-SurfSedRound1	LDW-SS55	LDW-SS55-010	1/24/05	1.4	DuwamishShipyard	SS-4	SS-4	8/17/93	3.0
LDWRI-SurfSedRound1	LDW-SS57	LDW-SS57-010	1/24/05	1.4	EPA SI	DR123	SD-DR123-0000	9/14/98	6.7
LDWRI-SurfSedRound1	LDW-SS52	LDW-SS52-010	1/25/05	1.4	EPA SI	DR065	SD-DR065-0000	8/17/98	1.2
LDWRI-SurfSedRound1	LDW-SS63	LDW-SS63-010	1/21/05	1.7	EPA SI	DR097	SD-DR097-0000	8/20/98	9.7

NEWER EVENT/LOCATION/SAMPLE/DATE				RIVER MILE	OLDER EVENT/LOCATION/SAMPLE				NOMINAL DISTANCE (ft) BETWEEN NEW AND OLD COORDINATES
EVENT	LOCATION	SAMPLE	SAMPLING DATE		EVENT	LOCATION	SAMPLE	SAMPLING DATE	
LDWRI-SurfSedRound1	LDW-SS70	LDW-SS70-010	1/21/05	1.8	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	1.3
LDWRI-SurfSedRound1	LDW-SS75	LDW-SS75-010	1/21/05	1.9	Boeing SiteChar	R7	SD0056	10/15/97	5.7
LDWRI-SurfSedRound1	LDW-SS76	LDW-SS76-010	1/20/05	2.0	EPA SI	DR106	SD-DR106-0000	8/19/98	2.3
LDWRI-SurfSedRound1	LDW-SS79	LDW-SS79-010	1/24/05	2.0	NOAA SiteChar	CH0023	CH07-01	10/16/97	1.7
LDWRI-SurfSedRound2	LDW-SS81	LDW-SS81-010	3/8/05	2.1	EPA SI	DR113	SD-DR113-0000-CC	8/19/98	1.1
LDWRI-Benthic	B5a-2	LDW-B5a-S2	9/24/04	2.2	NOAA SiteChar	WIT280	WIT11-01	10/3/97	9.8
EPA SI	DR141	SD-DR141-0000-CC	8/20/98	2.3	NOAA SiteChar	WST342	WST14-01	10/23/97	3.9
LDWRI-SurfSedRound1	LDW-SS88	LDW-SS88-010	1/25/05	2.5	NOAA SiteChar	EIT074	EIT09-01	11/3/97	7.2
LDWRI-SurfSedRound1	LDW-SS92	LDW-SS92-010	1/25/05	2.7	NOAA SiteChar	EST180	EST13-05	10/6/97	2.4
LDWRI-SurfSedRound1	LDW-SS94	LDW-SS94-010	1/21/05	2.7	EPA SI	DR175	SD-DR175-0000	8/20/98	0.7
LDWRI-SurfSedRound1	LDW-SS102	LDW-SS102-010	1/24/05	3.0	EPA SI	DR198	SD-DR198-0000	8/20/98	2.8
LDWRI-SurfSedRound1	LDW-SS104	LDW-SS104-010	1/25/05	3.1	EPA SI	DR202	SD-DR202-0000	8/27/98	1.5
T117BoundaryDefinition	T117-SE-10-G	T117-SE10-SG	12/8/03	3.5	NOAA SiteChar	WST323	WST09-02	10/21/97	1.2
JorgensenAugust2004	SD-309-S	SD-309-0000	8/16/04	3.6	NOAA SiteChar	EST152	EST11-03	9/24/97	3.5
JorgensenAugust2004	SD-320-S	SD-320-0000	8/16/04	3.6	Plant 2 RFI-2b	SD-DUW92	SD2B-DUW92-0000	4/2/96	4.8
JorgensenAugust2004	SD-334-S	SD-334-0000	8/26/04	3.6	NOAA SiteChar	EST154	EST11-04	9/24/97	9.1
JorgensenAugust2004	SD-343-S	SD-343-0000	8/27/04	3.6	Plant 2 RFI-2b	SD-DUW90	SD2B-DUW90-0000	4/4/96	6.1
Plant2-TransformPhase1	SD-SWY17	SWY17	9/9/03	3.6	Plant 2 RFI-1	SD-SWY07	SD-SWY07-0000	6/13/95	7.0
LDWRI-SurfSedRound1	LDW-SS110	LDW-SS110-010	1/25/05	3.6	JorgensenAugust 2004	SD-323-S	SD-323-0000	8/17/04	3.4
LDWRI-SurfSedRound1	LDW-SS111	LDW-SS111-010	1/19/05	3.6	EPA SI	DR186	SD-DR186-0000	8/27/98	1.0
LDWRI-SurfSedRound1	LDW-SS113b	LDW-SS113b-010	1/20/05	3.7	Boeing SiteChar	R21	SD0009	10/9/97	1.4
LDWRI-SurfSedRound1	LDW-SS115	LDW-SS115-010	1/25/05	3.7	EPA SI	DR187	SD-DR187-0000	8/27/98	3.0
LDWRI-SurfSedRound1	LDW-SS117	LDW-SS117-010	1/20/05	3.8	Boeing SiteChar	R24	SD0013	10/10/97	1.2
LDWRI-SurfSedRound1	LDW-SS119	LDW-SS119-010	1/19/05	3.8	Boeing SiteChar	R30	SD0021	10/11/97	2.3
LDWRI-SurfSedRound1	LDW-SS121	LDW-SS121-010	1/25/05	3.9	NOAA SiteChar	EIT061	EIT06-02	9/29/97	4.0
LDWRI-SurfSedRound1	LDW-SS123	LDW-SS123-010	1/24/05	3.9	NOAA SiteChar	EST144	EST09-04	9/25/97	1.1

NEWER EVENT/LOCATION/SAMPLE/DATE				RIVER MILE	OLDER EVENT/LOCATION/SAMPLE				NOMINAL DISTANCE (ft) BETWEEN NEW AND OLD COORDINATES
EVENT	LOCATION	SAMPLE	SAMPLING DATE		EVENT	LOCATION	SAMPLE	SAMPLING DATE	
LDWRI-SurfSedRound1	LDW-SS123	LDW-SS203-010	1/24/05	3.9	NOAA SiteChar	EST144	EST09-04	9/25/97	1.1
LDWRI-SurfSedRound1	LDW-SS125	LDW-SS125-010	1/20/05	4.0	EPA SI	DR238	SD-DR238-0000	8/27/98	1.1
LDWRI-Benthic	B8b	LDW-B8b-S	8/19/04	4.1	NOAA SiteChar	EST135	EST07-07	11/12/97	2.7
LDWRI-SurfSedRound1	LDW-SS126	LDW-SS126-010	1/20/05	4.1	Rhone-Poulenc RFI-2	A11-05	RPL-A11-05-02	8/18/94	2.1
LDWRI-SurfSedRound1	LDW-SS126	LDW-SS126-010	1/20/05	4.1	Rhone-Poulenc RFI-2	A11-05	RPL-A11-10-02	8/18/94	2.1
RhonePoulenc2004	SB-1	Upper SB-01	8/25/04	4.2	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	9.5
RhonePoulenc2004	SB-1	Upper SB-15	8/25/04	4.2	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	9.5
LDWRI-SurfSedRound1	LDW-SS127	LDW-SS127-010	1/20/05	4.2	Boeing SiteChar	R40	SD0032	10/13/97	1.0
LDWRI-SurfSedRound1	LDW-SS129	LDW-SS129-010	1/20/05	4.2	Boeing SiteChar	R42	SD0033	10/13/97	8.4
LDWRI-SurfSedRound1	LDW-SS130	LDW-SS130-010	1/20/05	4.2	Boeing SiteChar	R45	SD0070	10/16/97	0.5
RhonePoulenc2004	SH-04	Upper SH-04	8/24/04	4.3	Rhone-Poulenc RFI-3	06-intsed-2	06-intsed-2	7/1/96	8.6
RhonePoulenc2004	SH-02	Upper SH-02	8/25/04	4.3	Rhone-Poulenc RFI-3	07-intsed-1	07-intsed-1	7/1/96	9.7
LDWRI-Benthic	B10b	LDW-B10b-S	8/19/04	4.3	EPA SI	DR286	SD-DR286-0000-CC	8/26/98	3.2
LDWRI-SurfSedRound2	LDW-SS148	LDW-SS148-010	3/9/05	4.7	EPA SI	DR271	SD-DR271-0000	9/15/98	2.0
Norfolk-monit4	NFK501	L20703-2	4/24/01	4.9	Norfolk-monit1	NFK501	L15421-1	4/23/99	8.7
Norfolk-monit5	NFK503	L23995-6	4/30/02	4.9	Norfolk-monit2a	NFK503	L16628-6	10/8/99	4.2
Norfolk-monit5	NFK503	L23995-6	4/30/02	4.9	Norfolk-monit3	NFK503	L17647-6	4/6/00	3.3
Norfolk-monit5	NFK503	L23995-6	4/30/02	4.9	Norfolk-monit4	NFK503	L20703-6	4/24/01	4.0
Ecology-Norfolk	2	288131	7/9/02	4.9	Norfolk-cleanup1	NFK002	L4321-2	8/18/94	8.5
Ecology-Norfolk	3	288132	7/9/02	4.9	Norfolk-cleanup1	NFK002	L4321-2	8/18/94	9.5
Ecology-Norfolk	4	288133	7/9/02	4.9	Norfolk-cleanup1	NFK002	L4321-2	8/18/94	8.7
Ecology-Norfolk	5	288134	7/9/02	4.9	Boeing SiteChar	R87	SD0079	10/18/97	5.3
Ecology-Norfolk	5	288134	7/9/02	4.9	Norfolk-monit2b	NFK506	L17311-1	2/10/00	6.3
Ecology-Norfolk	7	288136	7/9/02	4.9	Boeing SiteChar	R87	SD0079	10/18/97	6.4
Ecology-Norfolk	7	288136	7/9/02	4.9	Norfolk-monit2b	NFK506	L17311-1	2/10/00	6.3

NEWER EVENT/LOCATION/SAMPLE/DATE				RIVER MILE	OLDER EVENT/LOCATION/SAMPLE				NOMINAL DISTANCE (ft) BETWEEN NEW AND OLD COORDINATES
EVENT	LOCATION	SAMPLE	SAMPLING DATE		EVENT	LOCATION	SAMPLE	SAMPLING DATE	
Ecology-Norfolk	7	288148	7/9/02	4.9	Boeing SiteChar	R87	SD0079	10/18/97	6.4
Ecology-Norfolk	7	288148	7/9/02	4.9	Norfolk-monit2b	NFK506	L17311-1	2/10/00	5.4
Norfolk-monit7	NFK501	L31635-2	4/5/04	4.9	Ecology-Norfolk	13	288142	7/9/02	7.3
Norfolk-monit7	NFK501	L31635-2	4/5/04	4.9	Ecology-Norfolk	17	288146	7/9/02	7.3
Norfolk-monit7	NFK501	L31635-2	4/5/04	4.9	Norfolk-monit6	NFK501	L28052-2	4/23/03	3.9
Norfolk-monit7	NFK501	L31635-2	4/5/04	4.9	Norfolk-monit5	NFK501	L23995-2	4/30/02	4.3
Norfolk-monit7	NFK501	L31635-2	4/5/04	4.9	Norfolk-monit2b	NFK501	L17315-1	2/8/00	4.8
Norfolk-monit7	NFK502	L31635-4	4/5/04	4.9	Norfolk-monit6	NFK502	L28052-4	4/23/03	3.2
Norfolk-monit7	NFK502	L31635-4	4/5/04	4.9	Norfolk-monit5	NFK502	L23995-4	4/30/02	1.5
Norfolk-monit7	NFK502	L31635-4	4/5/04	4.9	Norfolk-monit4	NFK502	L20703-4	4/24/01	2.5
Norfolk-monit7	NFK502	L31635-4	4/5/04	4.9	Norfolk-monit3	NFK502	L17647-4	4/6/00	9.5
Norfolk-monit7	NFK502	L31635-4	4/5/04	4.9	Norfolk-monit2a	NFK502	L16628-4	10/8/99	8.1
Norfolk-monit7	NFK503	L31635-6	4/5/04	4.9	Ecology-Norfolk	10	288139	7/9/02	9.2
Norfolk-monit7	NFK503	L31635-6	4/5/04	4.9	Norfolk-monit6	NFK503	L28052-6	4/23/03	3.0
Norfolk-monit7	NFK503	L31635-6	4/5/04	4.9	Norfolk-monit2b	NFK503	L17315-3	2/8/00	5.8
Norfolk-monit7	NFK504	L31635-8	4/5/04	4.9	Norfolk-monit6	NFK504	L28052-8	4/23/03	5.4
Norfolk-monit7	NFK504	L31635-8	4/5/04	4.9	Norfolk-monit5	NFK504	L23995-8	4/30/02	6.7
Norfolk-monit7	NFK504	L31635-8	4/5/04	4.9	Norfolk-monit4	NFK504	L20703-8	4/24/01	4.1
Norfolk-monit7	NFK504	L31635-8	4/5/04	4.9	Norfolk-monit3	NFK504	L17647-8	4/6/00	3.7
Norfolk-monit7	NFK504	L31635-8	4/5/04	4.9	Norfolk-monit1	NFK504	L15421-4	4/23/99	4.0

5.0 Data Quality

For large and complex investigations such as an RI, Data Quality Objectives (DQOs) are typically established to provide all parties with a common benchmark for determining data acceptability for making risk estimates and for developing risk-based goals that ultimately are used for cleanup decisions. The DQO process used to identify data for inclusion in the Phase 1 RI and risk assessments was documented in a memorandum submitted to EPA and Ecology in May 2001 (Windward 2001). The process was reviewed and approved by EPA and Ecology for the Phase 1 RI. At a minimum, data used in Phase 2 are expected to meet the Phase 1 DQOs. Additional DQOs were established for Phase 2, as described in Windward (2005d; 2005e).

Three memoranda⁶ have been prepared that documented data quality and discussed applicability of the data to RI/FS uses, particularly the baseline risk assessments (EPA 2003; Windward 2005d, e). Two datasets that contained surface sediment chemistry data were determined to be not acceptable for all uses in the Phase 2 RI/FS, as summarized in Table 5-1. The associated data from these samples will not be included in the baseline surface sediment dataset. All other data included in the baseline surface sediment chemistry dataset have been determined to be acceptable for all uses, as documented in the data quality memoranda (EPA 2003; Windward 2005d, e).

In addition, 12 composite sediment samples collected as part of the King County Water Quality Assessment project in conjunction with the amphipod tissue sampling conducted in 1997 were excluded from the baseline surface sediment dataset because accurate sampling coordinates for these sampling locations are not available. Consequently, these samples do not meet the DQOs established for the project for data to be acceptable for all uses.

Table 5-1. Surface sediment chemistry datasets not acceptable for all Phase 2 uses

EVENT CODE	YEAR	ACTIONS
PSAMP/NOAA98	1998	LDWG did not conduct a review of this dataset because the effort that would have been required to obtain and review the QA/QC information for only three samples was not justified for the purposes of the Phase 2 RI/FS and risk assessments.
Rhône-PoulencRFI-1	1994	Sediment chemistry data underwent a summary data validation, but the raw data (i.e., Form 1s) were not available. Consequently, these were not considered acceptable for all uses in Phase 2 (Windward 2005e).

⁶ A fourth data quality memorandum is currently in preparation.

6.0 Summary of Baseline Surface Sediment Dataset

The list of surface sediment samples collected in the LDW since 1990 that is shown in Appendix A includes 1,722 samples. Table 6-1 summarizes LDWG's recommendation for the samples to be included in or excluded from the baseline surface sediment dataset. Approximately 85% of the samples listed in Appendix A are appropriate for the baseline surface sediment dataset. Samples that are excluded may be discussed in the RI for evaluating temporal trends or in the FS for residual risk analysis or other types of analyses (e.g., natural recovery discussions).

Table 6-1. Summary of number of surface sediment samples for the baseline dataset

CATEGORY	NUMBER OF SAMPLES
Included in baseline surface sediment dataset	1,446
Excluded because of subsequent dredging of those sediments	58
Excluded because of more recent sampling outside of monitoring program	91
Excluded because of more recent sampling as part of monitoring program	30
Excluded because of data quality considerations	23
Excluded because 0–10 cm samples preferred over 0–2 cm samples at this location	24
Excluded because post-removal sampling not appropriate for the baseline surface sediment dataset at this location (Duwamish/Diagonal)	50
Total number of surface sediment samples	1,722

7.0 References

- EPA. 1988. Guidance for conducting remedial investigations and feasibility studies under CERCLA. Interim final. EPA/540/G-89/004, OSWER Directive 9355.3. Office of Emergency and Remedial Response, US Environmental Protection Agency, Washington, DC.
- EPA. 2003. Review of the analytical data used for the scoping Phase 1 Remedial Investigation report for Lower Duwamish Waterway for use in the Phase 2 baseline risk assessments. Memorandum to the Lower Duwamish Waterway Group, February 10, 2003. US Environmental Protection Agency, Region 10, Seattle, WA.
- King County. 1999. King County combined sewer overflow water quality assessment for the Duwamish River and Elliott Bay. Vol 1: Overview and interpretation, plus appendices. King County Department of Natural Resources, Seattle, WA.
- King County. 2005. Norfolk CSO sediment remediation project five-year monitoring program: Final monitoring report - year 5, April 2004. Prepared for the Elliott

Bay/Duwamish Restoration Panel. King County Department of Natural Resources and Parks, Seattle, WA.

King County, Anchor, EcoChem. 2005. Duwamish/Diagonal CSO/SD sediment remediation project closure report. Prepared for the Elliott Bay Duwamish Restoration Program Panel. King County Department of Natural Resources, Anchor Environmental LLC, and EcoChem, Inc., Seattle, WA.

PPC. 2003. Cleanup action report, sediment removal near south storm drain outfall, Boeing Developmental Center, Tukwila, WA. Project Performance Corporation, Bellevue, WA.

Windward. 2001. Lower Duwamish Waterway remedial investigation. Task 2: Site characterization - Technical memoranda: 1. Criteria for evaluating and accepting data sets, 2. List of reports for historical site characterization, 3. Conceptual design for database. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA.

Windward. 2003a. Lower Duwamish Waterway remedial investigation. Phase 1 remedial investigation report. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA.

Windward. 2003b. Lower Duwamish Waterway remedial investigation. Task 5: Identification of candidate sites for early action, technical memorandum: Data analysis and candidate site identification. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA.

Windward. 2005a. Lower Duwamish Waterway remedial investigation. Data report: Round 1 surface sediment sampling for chemical analyses and toxicity testing. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA.

Windward. 2005b. Lower Duwamish Waterway remedial investigation. Data report: Round 2 surface sediment sampling for chemical analyses and toxicity testing. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA.

Windward. 2005c. Lower Duwamish Waterway remedial investigation. Quality assurance project plan: surface sediment sampling and toxicity testing of the Lower Duwamish Waterway. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA.

Windward. 2005d. Technical Memorandum: Summary of sediment and tissue chemistry datasets to be used in the Phase 2 RI/FS - Addendum 1. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA.

- Windward. 2005e. Technical Memorandum: Summary of sediment and tissue chemistry datasets to be used in the Phase 2 RI/FS. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA.
- Windward, QEA. 2005. Lower Duwamish Waterway remedial investigation. Sediment transport characterization data analysis report. Draft. Prepared for Lower Duwamish Waterway Group. Windward Environmental LLC, Seattle, WA and Quantitative Environmental Analysis, Montvale, NJ.

Figures

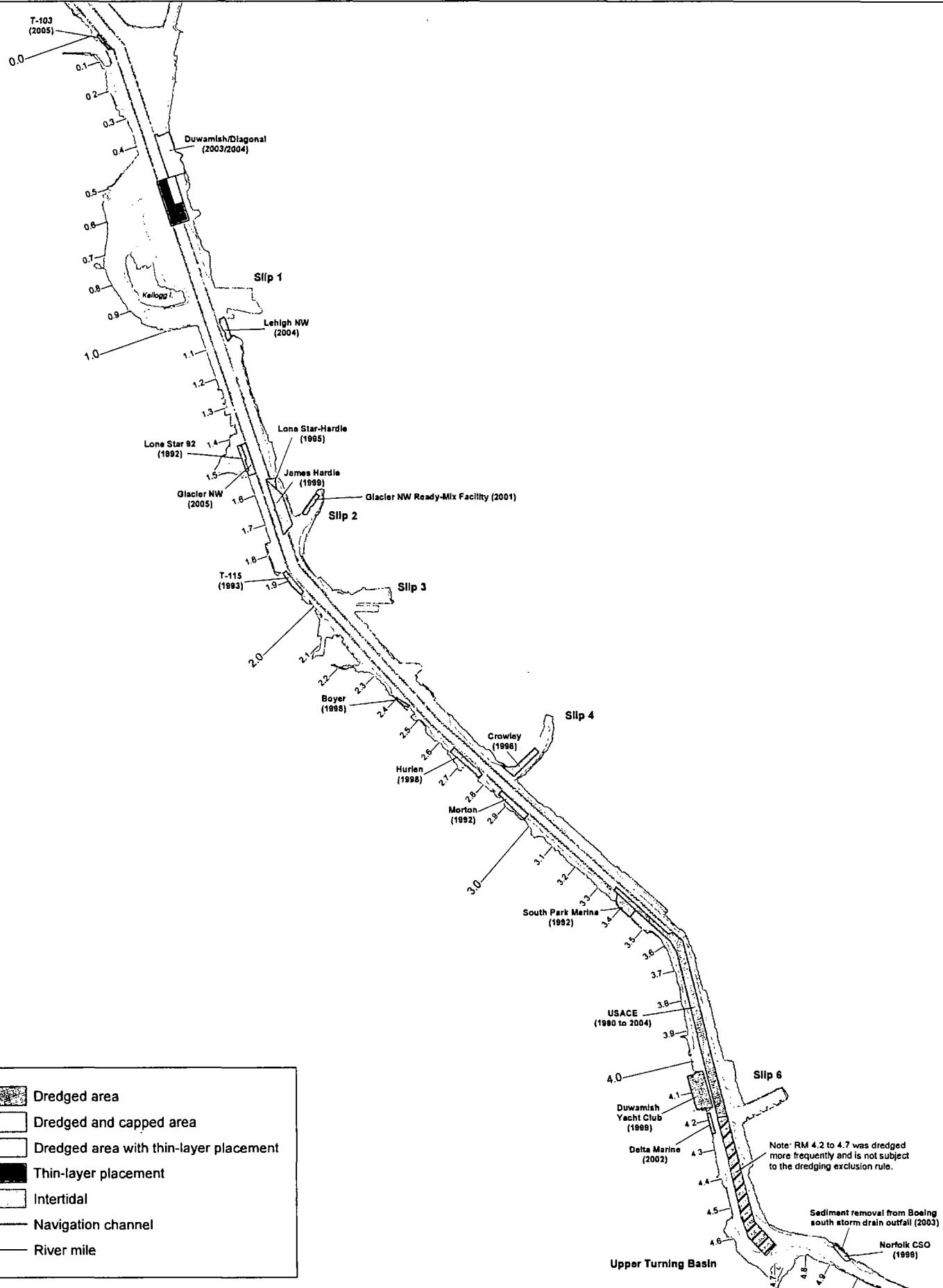


Figure 3-1. Historical (1992-2005) dredging events

0 0.25 0.5 Miles
0 0.25 0.5 Kilometers



WindWard LLC
environmental

Prepared by STS 04/05/06 Map 2113

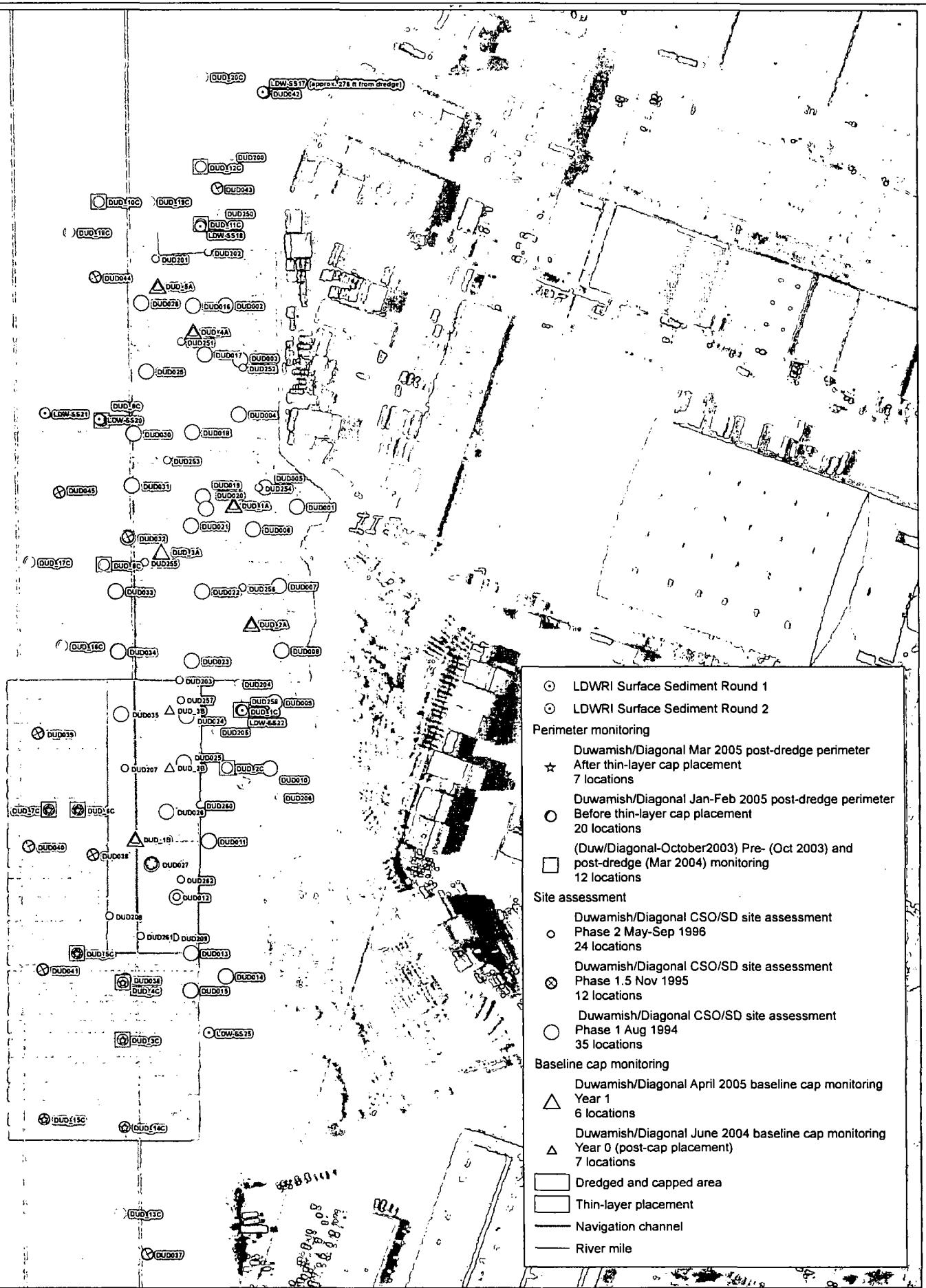


Figure 3-2. Duwamish/Diagonal sampling events

0 75 150 300
Feet
0 25 50 100
Meters



Windward
environmental

Prepared by STS 04/05/06 Map 2230



Figure 4-1. Norfolk monitoring stations
1999 to 2004

0 5 10 20 Feet
0 2.5 5 10 Meters



WindWard
environmental, LLC

Prepared by STS 04/05/06 Map 2239

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Appendix A. Baseline Surface Sediment Dataset

The table in this appendix lists all the surface sediment samples that have been collected in the LDW since 1990 and includes LDWG's recommendation, by sample, for inclusion or exclusion from the baseline surface sediment dataset.

Table A-1. List of LDW surface sediment samples collected since 1990 and recommendations for inclusion/exclusion in baseline surface sediment dataset

Event Name	Location Name	Northing *	Easting *	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Boeing SiteChar	R1	202319	1268663	10/15/97	SD0057		10	Yes		1160
Boeing SiteChar	R10	199113	1273517	10/16/97	SD0063		10	Yes		1166
Boeing SiteChar	R11	199089	1273410	10/16/97	SD0068		10	Yes		1171
Boeing SiteChar	R12	199058	1273508	10/16/97	SD0064		10	Yes		1167
Boeing SiteChar	R13	198915	1273352	10/16/97	SD0069		10	Yes		1172
Boeing SiteChar	R14	198914	1273409	10/16/97	SD0065		10	Yes		1168
Boeing SiteChar	R15	198824	1273343	10/16/97	SD0066		10	Yes		1169
Boeing SiteChar	R16	195425	1275559	10/10/97	SD0011		10	Yes		1114
Boeing SiteChar	R17	195435	1275638	10/9/97	SD0010		10	Yes		1113
Boeing SiteChar	R18	195175	1275682	10/11/97	SD0018		10	Yes		1121
Boeing SiteChar	R19	195178	1275727	10/11/97	SD0019		10	Yes		1122
Boeing SiteChar	R2	202344	1268705	10/15/97	SD0058		10	Yes		1161
Boeing SiteChar	R20	194977	1275730	10/10/97	SD0012		10	Yes		1115
Boeing SiteChar	R21	194955	1275772	10/9/97	SD0009		10	No	superseded by LDW-SS113b - 1 ft away	1112
Boeing SiteChar	R22	194770	1276075	10/8/97	SD0001		10	Yes		1104
Boeing SiteChar	R23	194765	1276156	10/11/97	SD0020		10	Yes		1123
Boeing SiteChar	R24	194553	1275818	10/10/97	SD0013		10	No	superseded by LDW-SS117 - 1 ft away	1116
Boeing SiteChar	R25	194551	1275880	10/9/97	SD0008		10	Yes		1111
Boeing SiteChar	R26	194568	1276106	10/9/97	SD0002		10	Yes		1105
Boeing SiteChar	R27	194527	1276196	10/11/97	SD0022		10	Yes		1125
Boeing SiteChar	R28	194244	1275887	10/10/97	SD0014		10	Yes		1117
Boeing SiteChar	R29	194232	1275951	10/9/97	SD0007		10	Yes		1110
Boeing SiteChar	R3	201969	1268821	10/15/97	SD0054		10	Yes		1157
Boeing SiteChar	R30	194391	1276226	10/11/97	SD0021		10	No	superseded by LDW-SS119 - 2 ft away	1124
Boeing SiteChar	R31	194264	1276191	10/9/97	SD0003		10	Yes		1106
Boeing SiteChar	R32	194032	1275922	10/10/97	SD0015		10	Yes		1118
Boeing SiteChar	R33	194049	1275989	10/9/97	SD0006		10	Yes		1109
Boeing SiteChar	R34	193989	1276248	10/9/97	SD0004		10	Yes		1107
Boeing SiteChar	R35	194014	1276298	10/11/97	SD0017		10	Yes		1120
Boeing SiteChar	R36	193776	1275955	10/10/97	SD0016		10	Yes		1119
Boeing SiteChar	R37	193848	1276003	10/9/97	SD0005		10	Yes		1108
Boeing SiteChar	R38	192813	1276695	10/11/97	SD0025	Duplicate	10	Yes		1128
Boeing SiteChar	R38	192813	1276695	10/11/97	SD0024		10	Yes		1127
Boeing SiteChar	R39	192903	1276741	10/11/97	SD0023		10	Yes		1126
Boeing SiteChar	R4	202031	1268818	10/15/97	SD0059		10	Yes		1162
Boeing SiteChar	R40	193044	1277453	10/13/97	SD0032		10	No	superseded by LDW-SS127 - 1ft away	1135

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EventName	LocationName	Northings	Eastings	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Boeing SiteChar	R41	192970	1277489	10/13/97	SD0034		10	Yes		1137
Boeing SiteChar	R42	192917	1277567	10/13/97	SD0033		10	No	superseded by LDW-SS129 - 8ft away	1136
Boeing SiteChar	R43	192863	1277351	10/19/97	SD0090		10	Yes		1193
Boeing SiteChar	R44	192837	1277358	10/16/97	SD0071		10	Yes		1174
Boeing SiteChar	R45	192810	1277407	10/16/97	SD0070		10	No	superseded by LDW-SS130 - less than 1ft away	1173
Boeing SiteChar	R46	192811	1277243	10/19/97	SD0092		10	Yes		1195
Boeing SiteChar	R47	192777	1277267	10/18/97	SD0072		10	Yes		1175
Boeing SiteChar	R48	192743	1277114	10/19/97	SD0093		10	Yes		1196
Boeing SiteChar	R49	192688	1277145	10/18/97	SD0073		10	Yes		1176
Boeing SiteChar	R5	201816	1269056	10/15/97	SD0055		10	Yes		1158
Boeing SiteChar	R50	192660	1277080	10/19/97	SD0084		10	Yes		1187
Boeing SiteChar	R51	192698	1277001	10/19/97	SD0094		10	Yes		1197
Boeing SiteChar	R52	192635	1277017	10/19/97	SD0085		10	Yes		1188
Boeing SiteChar	R53	192615	1276968	10/19/97	SD0086		10	Yes		1189
Boeing SiteChar	R54	192617	1276872	10/19/97	SD0095		10	Yes		1198
Boeing SiteChar	R54	192617	1276872	10/19/97	SD0096	Duplicate	10	Yes		1199
Boeing SiteChar	R55	192565	1276871	10/19/97	SD0087		10	Yes		1190
Boeing SiteChar	R56	192574	1276777	10/19/97	SD0089		10	Yes		1192
Boeing SiteChar	R57	192537	1276818	10/19/97	SD0088		10	Yes		1191
Boeing SiteChar	R58	192420	1276704	10/13/97	SD0026		10	Yes		1129
Boeing SiteChar	R59	192410	1276774	10/13/97	SD0030		10	Yes		1133
Boeing SiteChar	R6	201807	1269110	10/16/97	SD0060		10	Yes		1163
Boeing SiteChar	R60	192127	1276763	10/13/97	SD0027		10	Yes		1130
Boeing SiteChar	R61	192128	1276850	10/13/97	SD0031		10	Yes		1134
Boeing SiteChar	R62	191879	1276882	10/13/97	SD0028		10	Yes		1131
Boeing SiteChar	R63	191853	1276931	10/13/97	SD0035		10	Yes		1138
Boeing SiteChar	R64	191723	1276884	10/13/97	SD0029		10	Yes		1132
Boeing SiteChar	R65	191740	1276941	10/14/97	SD0036		10	Yes		1139
Boeing SiteChar	R66	191581	1276815	10/14/97	SD0042		10	Yes		1145
Boeing SiteChar	R67	191632	1276877	10/14/97	SD0037		10	Yes		1140
Boeing SiteChar	R68	191506	1276793	10/14/97	SD0043		10	Yes		1146
Boeing SiteChar	R69	191532	1276885	10/14/97	SD0038		10	Yes		1141
Boeing SiteChar	R7	201578	1269271	10/15/97	SD0056		10	No	superseded by LDW-SS75 - 6 ft away	1159
Boeing SiteChar	R70	191325	1276869	10/14/97	SD0044		10	Yes		1147
Boeing SiteChar	R71	191394	1276910	10/14/97	SD0039		10	Yes		1142
Boeing SiteChar	R72	191277	1276905	10/14/97	SD0045		10	Yes		1148

Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Boeing SiteChar	R73	191305	1276955	10/14/97	SD0040		10	Yes		1143
Boeing SiteChar	R73	191305	1276955	10/14/97	SD0041	Duplicate	10	Yes		1144
Boeing SiteChar	R74	190789	1277084	10/14/97	SD0046		10	Yes		1149
Boeing SiteChar	R75	190834	1277144	10/15/97	SD0049		10	Yes		1152
Boeing SiteChar	R76	190569	1277290	10/15/97	SD0048		10	Yes		1151
Boeing SiteChar	R77	190623	1277313	10/15/97	SD0050		10	Yes		1153
Boeing SiteChar	R78	190471	1277622	10/14/97	SD0047		10	Yes		1150
Boeing SiteChar	R79	190514	1277664	10/15/97	SD0051		10	Yes		1154
Boeing SiteChar	R8	201547	1269319	10/16/97	SD0061		10	Yes		1164
Boeing SiteChar	R8	201547	1269319	10/16/97	SD0062	Duplicate	10	Yes		1165
Boeing SiteChar	R80	190393	1277884	10/15/97	SD0052		10	Yes		1155
Boeing SiteChar	R81	190510	1277874	10/15/97	SD0053		10	Yes		1156
Boeing SiteChar	R82	190462	1278186	10/18/97	SD0083		10	Yes		1186
Boeing SiteChar	R83	190420	1278151	10/18/97	SD0080		10	Yes		1183
Boeing SiteChar	R83	190420	1278151	10/18/97	SD0081	Duplicate	10	Yes		1184
Boeing SiteChar	R84	190311	1278315	10/18/97	SD0082		10	Yes		1185
Boeing SiteChar	R85	190364	1278343	10/18/97	SD0074		10	Yes		1177
Boeing SiteChar	R86	190215	1278519	10/19/97	SD0091		10	No	sample falls inside 1999 Norfolk dredge area - exclude	1194
Boeing SiteChar	R87	190257	1278543	10/18/97	SD0079		10	No	superseded by Ecology-Norfolk 5 and 7	1182
Boeing SiteChar	R88	190185	1278621	10/18/97	SD0078		10	Yes		1181
Boeing SiteChar	R9	199158	1273463	10/16/97	SD0067		10	Yes		1170
Boyer Towing	WRC-SS-B1	199533	1271107	5/8/04	WRC-SS-B1A-B 0-10cm		10	Yes		40787
Boyer Towing	WRC-SS-B2	199571	1271101	5/8/04	WRC-SS-B2A-B 0-10cm		10	Yes		40789
Boyer Towing	WRC-SS-B3	199592	1271056	5/8/04	WRC-SS-B3A-B 0-10cm		10	Yes		40791
Boyer Towing	WRC-SS-B2	199571	1271101	5/8/04	WRC-SS-B4A-B 0-10cm	Duplicate	10	Yes		40794
Duw/Diag-1	DUD001	209120	1267153	8/17/94	L4288-30		10	No	superseded by KC WQA loc. DD-1 - exclude	1214
Duw/Diag-1	DUD002	209414	1266928	8/11/94	L4288-1		10	Yes		1215
Duw/Diag-1	DUD003	209332	1266981	8/11/94	L4288-2		10	Yes		1216
Duw/Diag-1	DUD004	209241	1267007	8/12/94	L4288-3		10	Yes		1217
Duw/Diag-1	DUD005	209135	1267090	8/16/94	L4288-31		10	Yes		1218
Duw/Diag-1	DUD005	209135	1267090	8/16/94	L4288-4	Duplicate	10	Yes		14469
Duw/Diag-1	DUD006	209059	1267092	8/10/94	L4288-5		10	No	superseded by KC WQA loc. DD-2 - exclude	1219
Duw/Diag-1	DUD006	209059	1267092	8/25/94	L4378-3		15	Yes		1221

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Event Name	Location Name	Location Northing	Location Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Duw/Diag-1	DUD007	208979	1267165	8/10/94	L4288-6		10	Yes		1228
Duw/Diag-1	DUD008	208874	1267203	8/9/94	L4288-7		10	Yes		1229
Duw/Diag-1	DUD009	208785	1267219	8/9/94	L4288-8		10	Yes		1230
Duw/Diag-1	DUD010	208673	1267246	8/17/94	L4288-9		10	Yes		1231
Duw/Diag-1	DUD011	208520	1267183	8/17/94	L4288-32		10	Yes		1232
Duw/Diag-1	DUD012	208410	1267160	8/12/94	L4288-10		10	Yes		1233
Duw/Diag-1	DUD012	208410	1267160	8/12/94	L4288-11	Duplicate	10	Yes		14470
Duw/Diag-1	DUD013	208325	1267213	8/12/94	L4288-12		10	Yes		1235
Duw/Diag-1	DUD014	208305	1267283	8/20/94	L4288-33		10	Yes		1236
Duw/Diag-1	DUD015	208263	1267232	8/12/94	L4288-13		10	Yes		1237
Duw/Diag-1	DUD016	209396	1266874	8/15/94	L4288-14	Duplicate	10	Yes		14471
Duw/Diag-1	DUD016	209396	1266874	8/15/94	L4288-34		10	Yes		1238
Duw/Diag-1	DUD017	209322	1266919	8/12/94	L4288-15		10	Yes		1239
Duw/Diag-1	DUD018	209187	1266939	8/15/94	L4288-35		10	Yes		1240
Duw/Diag-1	DUD019	209087	1266991	8/9/94	L4288-16		10	Yes		1241
Duw/Diag-1	DUD020	209068	1267003	8/25/94	L4378-12		15	Yes		1242
Duw/Diag-1	DUD021	209032	1266987	8/15/94	L4288-17		10	Yes		1248
Duw/Diag-1	DUD021	209032	1266987	8/15/94	L4288-18		10	Yes		1249
Duw/Diag-1	DUD021	209032	1266987	8/15/94	L4288-19		10	Yes		1250
Duw/Diag-1	DUD021	209032	1266987	8/15/94	L4288-20		10	Yes		1251
Duw/Diag-1	DUD021	209032	1266987	8/15/94	L4288-36		10	Yes		1252
Duw/Diag-1	DUD022	208929	1267040	8/10/94	L4288-21		10	No	superseded by KC WQA loc. DD-3 - exclude	1253
Duw/Diag-1	DUD023	208809	1267059	8/16/94	L4288-37		10	Yes		1254
Duw/Diag-1	DUD024	208715	1267080	8/9/94	L4288-22		10	Yes		1255
Duw/Diag-1	DUD025	208637	1267100	8/16/94	L4288-38		10	Yes		1256
Duw/Diag-1	DUD026	208546	1267097	8/10/94	L4288-23		10	Yes		1257
Duw/Diag-1	DUD027	208451	1267100	8/10/94	L4288-24		10	Yes		1258
Duw/Diag-1	DUD028	209373	1266787	8/11/94	L4288-25		10	Yes		1264
Duw/Diag-1	DUD029	209263	1266831	8/15/94	L4288-39		10	Yes		1265
Duw/Diag-1	DUD030	209153	1266843	8/12/94	L4288-26		10	Yes		1266
Duw/Diag-1	DUD031	209067	1266868	8/16/94	L4288-40		10	Yes		1267
Duw/Diag-1	DUD032	208978	1266889	8/12/94	L4288-27		10	No	superseded by 1995 location DUD032, samp L7279-3 - exclude	1268
Duw/Diag-1	DUD033	208883	1266897	8/16/94	L4288-41		10	Yes		1270
Duw/Diag-1	DUD034	208785	1266933	8/12/94	L4288-28		10	No	superseded by KC WQA loc. DD-4 - exclude	1271
Duw/Diag-1	DUD035	208683	1266971	8/10/94	L4288-29		10	Yes		1272

Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Duw/Diag-1.5	DUD027	208451	1267100	11/11/95	L7279-1		10	Yes		1259
Duw/Diag-1.5	DUD032	208978	1266889	11/9/95	L7279-2		10	Yes		1269
Duw/Diag-1.5	DUD032	208978	1266889	11/9/95	L7279-3	Duplicate	10	Yes		14472
Duw/Diag-1.5	DUD036	208245	1267118	11/11/95	L7279-4		10	No	superseded by DUD_4C - exclude	1273
Duw/Diag-1.5	DUD037	207799	1267302	11/11/95	L7279-5		10	Yes		1274
Duw/Diag-1.5	DUD038	208434	1266999	11/9/95	L7279-6		10	Yes		1275
Duw/Diag-1.5	DUD038	208434	1266999	11/9/95	L7279-7	Duplicate	10	Yes		14473
Duw/Diag-1.5	DUD039	208606	1266844	11/9/95	L7279-8		10	No	superseded by KC WQA loc. DD-5 - exclude	1276
Duw/Diag-1.5	DUD040	208414	1266888	11/9/95	L7279-9		10	Yes		1277
Duw/Diag-1.5	DUD041	208217	1266977	11/11/95	L7279-10		10	Yes		1278
Duw/Diag-1.5	DUD042	209785	1266880	11/11/95	L7279-11		10	No	superseded by LDW-SS17 - 3 ft away	1279
Duw/Diag-1.5	DUD043	209602	1266852	11/7/95	L7279-12		10	Yes		1280
Duw/Diag-1.5	DUD044	209390	1266698	11/7/95	L7279-13		10	Yes		1281
Duw/Diag-1.5	DUD045	209016	1266752	11/7/95	L7279-14		10	Yes		1282
Duw/Diag-2	DUD200	209663	1266859	9/9/96	L9443-1		10	Yes		1284
Duw/Diag-2	DUD201	209453	1266787	9/9/96	L9443-2		10	Yes		1286
Duw/Diag-2	DUD202	209492	1266871	9/9/96	L9443-3		10	Yes		1288
Duw/Diag-2	DUD202	209492	1266871	9/9/96	L9443-8	Duplicate	10	Yes		14474
Duw/Diag-2	DUD203	208770	1267050	9/9/96	L9443-4		10	Yes		1290
Duw/Diag-2	DUD204	208796	1267149	9/9/96	L9443-5		10	Yes		1292
Duw/Diag-2	DUD205	208705	1267137	9/9/96	L9443-6		10	Yes		1294
Duw/Diag-2	DUD206	208630	1267277	9/9/96	L9443-7		10	Yes		1297
Duw/Diag-2	DUD207	208595	1267006	7/16/96	L8542-8		10	Yes		1298
Duw/Diag-2	DUD208	208342	1267059	7/16/96	L8542-9		10	Yes		1299
Duw/Diag-2	DUD209	208342	1267179	7/16/96	L8542-10		10	Yes		1300
DuwamishShipyard	SS-1	204670	1268078	8/17/93	SS-1		7.5	Yes		18471
DuwamishShipyard	SS-2	204599	1268050	8/17/93	SS-2		7.5	No	superseded by LDW-SS48, use most recent data	18472
DuwamishShipyard	SS-3	204476	1268107	8/17/93	SS-3		7.5	No	superseded by LDW-SS49, use most recent data	18473
DuwamishShipyard	SS-3	204476	1268107	8/17/93	SS-6	Duplicate	7.5	No	superseded by LDW-SS49, use most recent data	18493
DuwamishShipyard	SS-4	204181	1268184	8/17/93	SS-4		7.5	No	superseded by LDW-SS55, use most recent data	18474
DuwamishShipyard	SS-5	203667	1268323	8/17/93	SS-5		7.5	No	inside 2005 Glacier NW dredge area	18475
DuwDiagApril2005	DUD_1A	209089	1267047	4/27/05	L35394-1		8	No	on top of dredged area cap, not appropriate for baseline group - exclude	30979
DuwDiagApril2005	DUD_1B	208484	1267060	4/27/05	L35394-7		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30985

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
DuwDiagApril2005	DUD_2A	208902	1267139	4/27/05	L35394-2		5	No	on top of dredged area cap, not appropriate for baseline group - exclude	30980
DuwDiagApril2005	DUD_3A	208973	1266951	4/27/05	L35394-3		6	No	on top of dredged area cap, not appropriate for baseline group - exclude	30981
DuwDiagApril2005	DUD_4A	209354	1266888	4/27/05	L35394-4		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30982
DuwDiagApril2005	DUD_5A	209410	1266805	4/27/05	L35394-5		8	No	on top of dredged area cap, not appropriate for baseline group - exclude	30983
DuwDiagApril2005	DUD_5A	209410	1266805	4/27/05	L35394-6		7	No	on top of dredged area cap, not appropriate for baseline group - exclude	30984
DuwDiagJan2005	DUD_10C	209517	1266663	2/1/05	L34524-12		8	No	post-remediation, not appropriate for baseline group - exclude	30952
DuwDiagJan2005	DUD_11C	209535	1266844	2/1/05	L34524-13		7	No	post-remediation, not appropriate for baseline group - exclude	30953
DuwDiagJan2005	DUD_12C	209630	1266813	2/2/05	L34524-14		9	No	post-remediation, not appropriate for baseline group - exclude	30954
DuwDiagJan2005	DUD_13C	207853	1267236	2/2/05	L34524-15		10	No	post-remediation, not appropriate for baseline group - exclude	30955
DuwDiagJan2005	DUD_14C	208000	1267196	2/2/05	L34524-16		10	No	post-remediation, not appropriate for baseline group - exclude	30956
DuwDiagJan2005	DUD_15C	207970	1267059	2/2/05	L34524-17		10	No	post-remediation, not appropriate for baseline group - exclude	30957
DuwDiagJan2005	DUD_16C	208764	1266837	2/2/05	L34524-18		10	No	post-remediation, not appropriate for baseline group - exclude	30958
DuwDiagJan2005	DUD_17C	208885	1266739	2/2/05	L34524-19		10	No	post-remediation, not appropriate for baseline group - exclude	30959
DuwDiagJan2005	DUD_18C	209451	1266630	2/2/05	L34524-20		7	No	post-remediation, not appropriate for baseline group - exclude	30961
DuwDiagJan2005	DUD_19C	209545	1266746	2/1/05	L34524-21		5	No	post-remediation, not appropriate for baseline group - exclude	30962
DuwDiagJan2005	DUD_1C	208754	1267168	2/1/05	L34524-1		6	No	post-remediation, not appropriate for baseline group - exclude	30949
DuwDiagJan2005	DUD_20C	209779	1266769	2/2/05	L34524-22		8	No	post-remediation, not appropriate for baseline group - exclude	30963
DuwDiagJan2005	DUD_2C	208651	1267175	1/31/05	L34524-2		9	No	post-remediation, not appropriate for baseline group - exclude	30960
DuwDiagJan2005	DUD_3C	208144	1267146	1/31/05	L34524-3		10	No	post-remediation, not appropriate for baseline group - exclude	30964
DuwDiagJan2005	DUD_4C	208239	1267116	1/31/05	L34524-4		7	No	post-remediation, not appropriate for baseline group - exclude	30965
DuwDiagJan2005	DUD_4C	208239	1267116	1/31/05	L34524-5	Replicate	7	No	post-remediation, not appropriate for baseline group - exclude	30966
DuwDiagJan2005	DUD_5C	208263	1267025	1/31/05	L34524-6		10	No	post-remediation, not appropriate for baseline group - exclude	30967
DuwDiagJan2005	DUD_6C	208501	1266950	1/31/05	L34524-7		9	No	post-remediation, not appropriate for baseline group - exclude	30968

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
DuwDiagJan2005	DUD_7C	208486	1266902	1/31/05	L34524-8		9	No	post-remediation, not appropriate for baseline group - exclude	30969
DuwDiagJan2005	DUD_8C	208920	1266864	2/1/05	L34524-10	Replicate	7	No	post-remediation, not appropriate for baseline group - exclude	30950
DuwDiagJan2005	DUD_8C	208920	1266864	2/1/05	L34524-9		6	No	post-remediation, not appropriate for baseline group - exclude	30970
DuwDiagJan2005	DUD_9C	209157	1266784	1/31/05	L34524-11		7	No	post-remediation, not appropriate for baseline group - exclude	30951
DuwDiagJune2004	DUD_1A	209089	1267047	6/1/04	L32085-1		6	No	on top of dredged area cap, not appropriate for baseline group - exclude	30837
DuwDiagJune2004	DUD_1B	208484	1267060	6/1/04	L32085-7		6	No	on top of dredged area cap, not appropriate for baseline group - exclude	30842
DuwDiagJune2004	DUD_2A	208902	1267139	6/1/04	L32085-2		5	No	on top of dredged area cap, not appropriate for baseline group - exclude	30838
DuwDiagJune2004	DUD_2B	208621	1267079	6/1/04	L32085-8		5	No	on top of dredged area cap, not appropriate for baseline group - exclude	30843
DuwDiagJune2004	DUD_3B	208716	1267049	6/1/04	L32085-9		6	No	on top of dredged area cap, not appropriate for baseline group - exclude	30844
DuwDiagJune2004	DUD_4A	209354	1266888	6/1/04	L32085-4		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30839
DuwDiagJune2004	DUD_5A	209410	1266805	6/1/04	L32085-5		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30840
DuwDiagJune2004	DUD_5A	209410	1266805	6/1/04	L32085-6		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30841
DuwDiagMarch2005	DUD_14C	208000	1267196	3/16/05	L34971-16		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30971
DuwDiagMarch2005	DUD_15C	207970	1267059	3/16/05	L34971-17		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30972
DuwDiagMarch2005	DUD_3C	208144	1267146	3/16/05	L34971-3		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30973
DuwDiagMarch2005	DUD_4C	208239	1267116	3/16/05	L34971-4		9	No	on top of dredged area cap, not appropriate for baseline group - exclude	30974
DuwDiagMarch2005	DUD_4C	208239	1267116	3/16/05	L34971-5		9	No	on top of dredged area cap, not appropriate for baseline group - exclude	30975
DuwDiagMarch2005	DUD_5C	208263	1267025	3/24/05	L34971-6		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30976
DuwDiagMarch2005	DUD_6C	208501	1266950	3/24/05	L34971-7		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30977
DuwDiagMarch2005	DUD_7C	208486	1266902	3/24/05	L34971-8		10	No	on top of dredged area cap, not appropriate for baseline group - exclude	30978
DuwDiagonal-March2004	DUD_10C	209517	1266663	3/30/04	L31520-12		10	No	collected immediately post-dredging event - exclude	37980
DuwDiagonal-March2004	DUD_11C	209535	1266844	3/30/04	L31520-13		10	No	collected immediately post-dredging event - exclude	37981
DuwDiagonal-March2004	DUD_12C	209630	1266813	3/30/04	L31520-14		10	No	collected immediately post-dredging event - exclude	37982

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
DuwDiagonal-March2004	DUD_1C	208754	1267168	3/29/04	L31520-1		10	No	collected immediately post-dredging event - exclude	37990
DuwDiagonal-March2004	DUD_2C	208651	1267175	3/29/04	L31520-2		10	No	collected immediately post-dredging event - exclude	37983
DuwDiagonal-March2004	DUD_3C	208144	1267146	3/29/04	L31520-3		10	No	collected immediately post-dredging event - exclude	37984
DuwDiagonal-March2004	DUD_4C	208239	1267116	3/29/04	L31520-4		10	No	collected immediately post-dredging event - exclude	37985
DuwDiagonal-March2004	DUD_4C	208239	1267116	3/29/04	L31520-5	Replicate	10	No	collected immediately post-dredging event - exclude	37993
DuwDiagonal-March2004	DUD_5C	208263	1267025	3/29/04	L31520-6		10	No	collected immediately post-dredging event - exclude	37986
DuwDiagonal-March2004	DUD_6C	208501	1266950	3/30/04	L31520-15	Replicate	10	No	collected immediately post-dredging event - exclude	37992
DuwDiagonal-March2004	DUD_6C	208501	1266950	3/30/04	L31520-7		10	No	collected immediately post-dredging event - exclude	37987
DuwDiagonal-March2004	DUD_7C	208486	1266902	3/30/04	L31520-8		10	No	collected immediately post-dredging event - exclude	37988
DuwDiagonal-March2004	DUD_8C	208920	1266864	3/30/04	L31520-10	Replicate	10	No	collected immediately post-dredging event - exclude	37994
DuwDiagonal-March2004	DUD_8C	208920	1266864	3/30/04	L31520-9		10	No	collected immediately post-dredging event - exclude	37989
DuwDiagonal-March2004	DUD_9C	209157	1266784	3/30/04	L31520-11		10	No	collected immediately post-dredging event - exclude	37991
DuwDiagonal-October2003	DUD_10C	209517	1266663	10/21/03	L29990-12		10	Yes		37997
DuwDiagonal-October2003	DUD_11C	209535	1266844	10/21/03	L29990-13		10	Yes		37998
DuwDiagonal-October2003	DUD_12C	209630	1266813	10/21/03	L29990-14		10	Yes		37999
DuwDiagonal-October2003	DUD_1C	208754	1267168	10/20/03	L29990-1		10	Yes		37995
DuwDiagonal-October2003	DUD_2C	208651	1267175	10/20/03	L29990-2		10	Yes		38000
DuwDiagonal-October2003	DUD_3C	208144	1267146	10/20/03	L29990-3		10	Yes		38001
DuwDiagonal-October2003	DUD_4C	208239	1267116	10/20/03	L29990-4		10	Yes		38002
DuwDiagonal-October2003	DUD_4C	208239	1267116	10/20/03	L29990-5	Replicate	10	Yes		38008
DuwDiagonal-October2003	DUD_5C	208263	1267025	10/20/03	L29990-6		10	Yes		38003
DuwDiagonal-October2003	DUD_6C	208501	1266950	10/20/03	L29990-7		10	Yes		38004
DuwDiagonal-October2003	DUD_7C	208486	1266902	10/20/03	L29990-8		10	Yes		38005
DuwDiagonal-October2003	DUD_8C	208920	1266864	10/21/03	L29990-10	Replicate	10	Yes		38007
DuwDiagonal-October2003	DUD_8C	208920	1266864	10/21/03	L29990-9		10	Yes		38006
DuwDiagonal-October2003	DUD_9C	209157	1266784	10/21/03	L29990-11		10	Yes		37996
Ecology-Norfolk	1	190239	1278490	7/9/02	288130		10	Yes		18408
Ecology-Norfolk	10	190201	1278537	7/9/02	288139		10	No	superseded by Norfolk-monit7, loc. 503 - exclude	18307
Ecology-Norfolk	11	190209	1278546	7/9/02	288140		10	Yes		18308

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Event Name	Location Name	Northing *	Easting *	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Ecology-Norfolk	12	190213	1278551	7/9/02	288141		10	Yes		18309
Ecology-Norfolk	13	190172	1278577	7/9/02	288142		10	No	superseded by Norfolk-monit7, loc. 501 - exclude	18310
Ecology-Norfolk	14	190188	1278587	7/9/02	288143		10	Yes		18311
Ecology-Norfolk	15	190180	1278591	7/9/02	288144		10	Yes		18312
Ecology-Norfolk	16	190175	1278594	7/9/02	288145		10	Yes		18313
Ecology-Norfolk	17	190168	1278591	7/9/02	288146		10	No	superseded by Norfolk-monit7, loc. 501 - exclude	18314
Ecology-Norfolk	18	190100	1278634	7/9/02	288147		10	Yes		18315
Ecology-Norfolk	2	190230	1278502	7/9/02	288131		10	Yes		18409
Ecology-Norfolk	20	201989	1269089	7/9/02	288149		10	Yes		18316
Ecology-Norfolk	21	201941	1269124	7/9/02	288150		10	Yes		18317
Ecology-Norfolk	3	190246	1278510	7/9/02	288132		10	Yes		18410
Ecology-Norfolk	4	190239	1278515	7/9/02	288133		10	Yes		18301
Ecology-Norfolk	5	190259	1278538	7/9/02	288134		10	Yes		18302
Ecology-Norfolk	6	190231	1278521	7/9/02	288135		10	Yes		18303
Ecology-Norfolk	7	190255	1278549	7/9/02	288136		10	Yes		18304
Ecology-Norfolk	7	190255	1278549	7/9/02	288148	Duplicate	10	Yes		18476
Ecology-Norfolk	8	190212	1278532	7/9/02	288137		10	Yes		18305
Ecology-Norfolk	9	190219	1278544	7/9/02	288138		10	Yes		18306
EPA SI	DR001	211182	1267138	8/31/98	SD-DR001-0000		10	Yes		764
EPA SI	DR002	210863	1266999	8/11/98	SD-DR002-0000		10	Yes		765
EPA SI	DR003	210558	1266899	8/11/98	SD-DR003-0000		10	Yes		766
EPA SI	DR004	210246	1266922	8/11/98	SD-DR004-0000		10	Yes		767
EPA SI	DR005	209821	1266890	8/18/98	SD-DR005-0000		10	Yes		768
EPA SI	DR006	209543	1266904	8/18/98	SD-DR006-0000		10	Yes		769
EPA SI	DR007	209230	1266972	8/18/98	SD-DR007-0000		10	Yes		770
EPA SI	DR008	209057	1267033	8/18/98	SD-DR008-0000		10	Yes		771
EPA SI	DR009	208948	1267134	8/18/98	SD-DR009-0000		10	Yes		774
EPA SI	DR010	208553	1267205	9/14/98	SD-DR010-0000		10	Yes		775
EPA SI	DR011	208314	1267131	8/18/98	SD-DR011-0000		10	Yes		776
EPA SI	DR012	207819	1267340	8/18/98	SD-DR012-0000		10	Yes		777
EPA SI	DR013	207585	1267435	8/18/98	SD-DR013-0000		10	Yes		778
EPA SI	DR014	207229	1267525	8/18/98	SD-DR014-0000		10	Yes		779
EPA SI	DR015	206887	1267736	8/17/98	SD-DR015-0000		10	Yes		780
EPA SI	DR016	206844	1267891	8/17/98	SD-DR016-0000		10	Yes		781
EPA SI	DR017	206839	1268268	8/17/98	SD-DR017-0000		10	Yes		782
EPA SI	DR018	206711	1268179	9/2/98	SD-DR018-0000		10	Yes		783

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EPA SI	DR019	206530	1268204	8/17/98	SD-DR019-0000		10	No	superseded by LDW-SS32, less than 1ft away	784
EPA SI	DR020	206549	1268450	8/17/98	SD-DR020-0000		10	No	superseded by LDW-SS31, 1 ft away	785
EPA SI	DR021	206718	1267822	8/17/98	SD-DR021-0000		10	Yes		786
EPA SI	DR022	206228	1267936	8/17/98	SD-DR022-0000-CC		10	No	sample falls within 2004 Lehigh NW dredge, so exclude	789
EPA SI	DR023	205886	1268065	8/17/98	SD-DR023-0000		10	Yes		790
EPA SI	DR024	205630	1268137	8/17/98	SD-DR024-0000		10	Yes		791
EPA SI	DR025	205416	1268230	8/17/98	SD-DR025-0000		10	Yes		792
EPA SI	DR026	205144	1268276	8/17/98	SD-DR026-0000		10	Yes		795
EPA SI	DR027	204921	1268346	8/17/98	SD-DR027-0000		10	Yes		796
EPA SI	DR028	204607	1268471	8/17/98	SD-DR028-0000		10	No	superseded by LDWB4b2 ft away - exclude	797
EPA SI	DR030	204436	1268521	8/17/98	SD-DR030-0000		10	No	superseded by LDW-SS50, 2ft away	798
EPA SI	DR031	211452	1265523	8/11/98	SD-DR031-0000		10	Yes		799
EPA SI	DR032	210931	1266009	8/11/98	SD-DR032-0000		10	Yes		800
EPA SI	DR033	210603	1266067	8/11/98	SD-DR033-0000		10	Yes		801
EPA SI	DR034	210471	1266062	8/11/98	SD-DR034-0000		10	Yes		802
EPA SI	DR035	210194	1266104	8/11/98	SD-DR035-0000		10	No	superseded by LDW-SS12, 2 ft away	803
EPA SI	DR036	209872	1266232	8/12/98	SD-DR036-0000		10	Yes		804
EPA SI	DR037	209654	1266339	8/18/98	SD-DR037-0000		10	Yes		805
EPA SI	DR038	209307	1266423	9/2/98	SD-DR038-0000		10	Yes		806
EPA SI	DR039	209017	1266393	8/12/98	SD-DR039-0000		10	Yes		807
EPA SI	DR040	208721	1266169	8/12/98	SD-DR040-0000		10	Yes		808
EPA SI	DR041	208545	1266408	8/12/98	SD-DR041-0000		10	Yes		809
EPA SI	DR042	208217	1266093	8/12/98	SD-DR042-0000		10	Yes		810
EPA SI	DR043	207956	1266225	8/12/98	SD-DR043-0000		10	Yes		811
EPA SI	DR044	208216	1266577	8/12/98	SD-DR044-0000		10	Yes		812
EPA SI	DR045	207408	1265985	9/14/98	SD-DR045-0000		10	Yes		815
EPA SI	DR046	207436	1266791	8/12/98	SD-DR046-0000		10	Yes		816
EPA SI	DR047	206701	1266314	9/14/98	SD-DR047-0000		10	Yes		817
EPA SI	DR048	206404	1266996	8/12/98	SD-DR048-0000		10	Yes		818
EPA SI	DR049	206268	1267458	8/12/98	SD-DR049-0000		10	Yes		819
EPA SI	DR050	206071	1267511	8/31/98	SD-DR050-0000		10	Yes		820
EPA SI	DR051	205701	1267678	8/12/98	SD-DR051-0000		10	Yes		821
EPA SI	DR052	205299	1267786	8/12/98	SD-DR052-0000		10	Yes		822
EPA SI	DR053	204908	1267941	8/31/98	SD-DR053-0000-CC		10	No	superseded by LDW-SS44, 2ft away	823
EPA SI	DR054	204727	1268074	8/12/98	SD-DR054-0000		10	Yes		824

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EPA SI	DR055	211044	1266621	9/2/98	SD-DR055-0000		10	Yes		827
EPA SI	DR056	210654	1266644	8/31/98	SD-DR056-0000		10	Yes		828
EPA SI	DR057	209749	1266724	8/31/98	SD-DR057-0000		10	Yes		829
EPA SI	DR058	209466	1266760	8/31/98	SD-DR058-0000		10	Yes		830
EPA SI	DR059	208751	1267097	8/18/98	SD-DR059-0000		10	Yes		831
EPA SI	DR060	208076	1267118	8/18/98	SD-DR060-0000		10	Yes		832
EPA SI	DR061	207404	1267432	8/18/98	SD-DR061-0000		10	Yes		833
EPA SI	DR062	206239	1267823	8/17/98	SD-DR062-0000		10	Yes		834
EPA SI	DR063	205833	1268032	8/17/98	SD-DR063-0000		10	Yes		835
EPA SI	DR064	204859	1268294	8/17/98	SD-DR064-0000		10	Yes		836
EPA SI	DR065	204315	1268452	8/17/98	SD-DR065-0000		10	No	superseded by LDW-SS52, 1ft away	837
EPA SI	DR066	210596	1266234	8/18/98	SD-DR066-0000		10	Yes		838
EPA SI	DR067	209906	1266285	8/18/98	SD-DR067-0000		10	Yes		839
EPA SI	DR068	209574	1266404	8/18/98	SD-DR068-0000		10	Yes		840
EPA SI	DR069	209112	1266569	8/12/98	SD-DR069-0000-CC		10	Yes		842
EPA SI	DR070	208520	1266692	8/12/98	SD-DR070-0000		10	Yes		843
EPA SI	DR071	207673	1266999	8/18/98	SD-DR071-0000		10	Yes		844
EPA SI	DR072	207371	1267143	8/12/98	SD-DR072-0000		10	Yes		845
EPA SI	DR073	206489	1267423	8/12/98	SD-DR073-0000		10	Yes		846
EPA SI	DR074	205799	1267692	8/12/98	SD-DR074-0000		10	Yes		847
EPA SI	DR075	205176	1267983	8/12/98	SD-DR075-0000		10	Yes		848
EPA SI	DR076	211210	1265996	8/24/98	SD-DR076-0000		10	No	superseded by LDW-SS5, 2 ft away	849
EPA SI	DR077	210760	1266180	8/24/98	SD-DR077-0000		10	Yes		850
EPA SI	DR078	210298	1266290	8/24/98	SD-DR078-0000		10	Yes		851
EPA SI	DR079	209860	1266467	8/24/98	SD-DR079-0000		10	No	superseded by LDW-SS15, 2 ft away	852
EPA SI	DR080	209361	1266617	8/24/98	SD-DR080-0000		10	Yes		853
EPA SI	DR081	208951	1266815	8/31/98	SD-DR081-0000		10	Yes		854
EPA SI	DR082	208550	1266896	8/31/98	SD-DR082-0000		10	Yes		855
EPA SI	DR083	207802	1267053	8/31/98	SD-DR083-0000		10	Yes		856
EPA SI	DR084	207433	1267228	8/31/98	SD-DR084-0000		10	Yes		857
EPA SI	DR085	207054	1267392	8/31/98	SD-DR085-0000		10	No	superseded by LDW-SSB2b - 6 ft away	858
EPA SI	DR086	206415	1267620	8/31/98	SD-DR086-0000		10	Yes		859
EPA SI	DR087	206171	1267735	8/12/98	SD-DR087-0000		10	No	superseded by LDW-SS37, 3 ft away	860
EPA SI	DR088	205507	1267960	8/31/98	SD-DR088-0000		10	No	superseded by LDW-SS40, 1ft away	861
EPA SI	DR089	205286	1268071	8/12/98	SD-DR089-0000		10	Yes		862
EPA SI	DR090	204748	1268241	8/12/98	SD-DR090-0000		10	Yes		863
EPA SI	DR091	203993	1268664	8/31/98	SD-DR091-0000		10	Yes		864

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EPA SI	DR092	203540	1268747	8/27/98	SD-DR092-0000		10	Yes		865
EPA SI	DR093	203278	1268849	8/17/98	SD-DR093-0000		10	No	sample inside 1999 James Hardie dredge area, exclude	866
EPA SI	DR094	202908	1269053	8/20/98	SD-DR094-0000		10	Yes		867
EPA SI	DR095	202834	1269154	8/20/98	SD-DR095-0000		10	Yes		868
EPA SI	DR096	203090	1269369	9/2/98	SD-DR096-0000		10	No	sample inside 1999 Glacier ready mix dredge area, exclude	869
EPA SI	DR097	203284	1269528	8/20/98	SD-DR097-0000		10	No	superseded by LDW-SS63, 10 ft away	870
EPA SI	DR098	203159	1269531	8/20/98	SD-DR098-0000		10	Yes		871
EPA SI	DR099	202990	1269444	8/20/98	SD-DR099-0000		10	Yes		872
EPA SI	DR100	202598	1269211	8/20/98	SD-DR100-0000		10	Yes		873
EPA SI	DR101	202682	1269108	8/20/98	SD-DR101-0000		10	Yes		874
EPA SI	DR102	202184	1269216	8/20/98	SD-DR102-0000		10	Yes		877
EPA SI	DR103	202034	1269234	8/18/98	SD-DR103-0000		10	Yes		878
EPA SI	DR104	201688	1269546	8/18/98	SD-DR104-0000		10	Yes		879
EPA SI	DR105	201523	1269869	8/19/98	SD-DR105-0000		10	Yes		880
EPA SI	DR106	201545	1270217	8/19/98	SD-DR106-0000		10	No	superseded by LDW-SS76, 1ft away	881
EPA SI	DR107	201608	1270470	8/19/98	SD-DR107-0000		10	Yes		884
EPA SI	DR108	201499	1270672	8/19/98	SD-DR108-0000		10	Yes		885
EPA SI	DR109	201507	1270396	9/1/98	SD-DR109-0000		10	Yes		886
EPA SI	DR110	201311	1270104	8/19/98	SD-DR110-0000		10	Yes		887
EPA SI	DR111	201460	1269985	8/19/98	SD-DR111-0000-CC		10	Yes		888
EPA SI	DR112	201166	1270202	8/19/98	SD-DR112-0000		10	Yes		889
EPA SI	DR113	200851	1270429	8/19/98	SD-DR113-0000-CC		10	No	superseded by LDW-SS81, 1 ft away	892
EPA SI	DR114	200574	1270605	8/19/98	SD-DR114-0000		10	Yes		893
EPA SI	DR115	200489	1270794	9/14/98	SD-DR115-0000		10	Yes		894
EPA SI	DR116	200280	1271194	8/18/98	SD-DR116-0000		10	Yes		895
EPA SI	DR117	200054	1271209	8/18/98	SD-DR117-0000		10	Yes		896
EPA SI	DR118	199843	1271426	8/18/98	SD-DR118-0000		10	Yes		897
EPA SI	DR119	199672	1271501	8/18/98	SD-DR119-0000		10	Yes		898
EPA SI	DR120	204432	1268154	8/12/98	SD-DR120-0000		10	Yes		899
EPA SI	DR121	204253	1268104	8/31/98	SD-DR121-0000		10	Yes		900
EPA SI	DR122	204053	1268083	9/14/98	SD-DR122-0000		10	Yes		901
EPA SI	DR123	203890	1267968	9/14/98	SD-DR123-0000		10	No	superseded by LDW-SS57, 7 ft away	902
EPA SI	DR124	203712	1268184	9/15/98	SD-DR124-0000		10	Yes		903
EPA SI	DR125	204137	1268161	8/31/98	SD-DR125-0000		10	No	sample inside Glacier NW 2005 dredge area - exclude	904
EPA SI	DR126	203670	1268305	8/12/98	SD-DR126-0000		10	Yes		905

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EPA SI	DR127	203464	1268380	8/12/98	SD-DR127-0000		10	Yes		906
EPA SI	DR128	203080	1268509	8/12/98	SD-DR128-0000		10	Yes		907
EPA SI	DR129	202707	1268636	8/27/98	SD-DR129-0000		10	Yes		908
EPA SI	DR130	202367	1268718	8/12/98	SD-DR130-0000		10	Yes		909
EPA SI	DR131	201998	1268809	8/13/98	SD-DR131-0000-CC		10	No	superseded by LDW-SS70, 1 ft away	910
EPA SI	DR132	201831	1269064	8/13/98	SD-DR132-0000		10	Yes		911
EPA SI	DR133	201508	1269408	9/2/98	SD-DR133-0000		10	Yes		912
EPA SI	DR134	201403	1269517	8/13/98	SD-DR134-0000		10	Yes		913
EPA SI	DR135	200986	1269785	8/13/98	SD-DR135-0000		10	Yes		914
EPA SI	DR136	200664	1270085	8/13/98	SD-DR136-0000		10	Yes		915
EPA SI	DR137	200448	1270252	8/13/98	SD-DR137-0000		10	Yes		916
EPA SI	DR138	200326	1270354	8/31/98	SD-DR138-0000		10	Yes		919
EPA SI	DR139	200341	1270186	9/14/98	SD-DR139-0000		10	Yes		920
EPA SI	DR140	199947	1270776	9/1/98	SD-DR140-0000		10	Yes		921
EPA SI	DR141	199909	1270837	8/20/98	SD-DR141-0000-CC		10	Yes		922
EPA SI	DR142	199659	1271055	8/20/98	SD-DR142-0000		10	No	sample inside 1998 Hurlen-Boyer Dredge area - exclude	923
EPA SI	DR143	199472	1271243	8/31/98	SD-DR143-0000		10	No	sample inside 1998 Hurlen-Boyer Dredge area - exclude	924
EPA SI	DR144	203959	1268598	8/17/98	SD-DR144-0000		10	Yes		925
EPA SI	DR145	203146	1268825	8/17/98	SD-DR145-0000		10	No	inside 1999 James Hardie Dredge area - exclude	926
EPA SI	DR146	202463	1269021	8/19/98	SD-DR146-0000		10	Yes		927
EPA SI	DR147	201833	1269430	9/2/98	SD-DR147-0000		10	Yes		928
EPA SI	DR148	201212	1270000	8/18/98	SD-DR148-0000		10	Yes		929
EPA SI	DR149	200568	1270687	8/19/98	SD-DR149-0000		10	Yes		930
EPA SI	DR150	200121	1271014	8/18/98	SD-DR150-0000		10	Yes		931
EPA SI	DR151	199556	1271542	8/18/98	SD-DR151-0000		10	Yes		932
EPA SI	DR152	203549	1268387	8/27/98	SD-DR152-0000		10	Yes		933
EPA SI	DR153	202782	1268619	8/31/98	SD-DR153-0000		10	Yes		934
EPA SI	DR154	202145	1268840	8/13/98	SD-DR154-0000		10	Yes		935
EPA SI	DR155	201623	1269242	8/13/98	SD-DR155-0000		10	Yes		936
EPA SI	DR156	200681	1270155	8/13/98	SD-DR156-0000		10	Yes		937
EPA SI	DR157	200349	1270346	8/31/98	SD-DR157-0000		10	Yes		938
EPA SI	DR158	199892	1270864	8/20/98	SD-DR158-0000		10	Yes		939
EPA SI	DR159	199383	1271401	8/13/98	SD-DR159-0000		10	Yes		940
EPA SI	DR160	204365	1268236	8/12/98	SD-DR160-0000		10	No	superseded by LDW-SS51, 2 ft away	941
EPA SI	DR161	203676	1268524	8/31/98	SD-DR161-0000		10	Yes		942

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Event Name	Location Name	Northing	Eastings	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
EPA SI	DR162	203409	1268608	8/27/98	SD-DR162-0000		10	Yes		943
EPA SI	DR163	203131	1268774	8/27/98	SD-DR163-0000		10	No	inside 1999 James Hardie Dredge area - exclude	944
EPA SI	DR164	202168	1268971	8/19/98	SD-DR164-0000		10	Yes		945
EPA SI	DR165	201896	1269186	8/13/98	SD-DR165-0000		10	Yes		946
EPA SI	DR166	201685	1269342	8/13/98	SD-DR166-0000		10	Yes		947
EPA SI	DR167	201268	1269859	8/13/98	SD-DR167-0000		10	Yes		948
EPA SI	DR168	200816	1270178	8/13/98	SD-DR168-0000		10	Yes		949
EPA SI	DR169	200533	1270412	8/13/98	SD-DR169-0000		10	Yes		950
EPA SI	DR170	200159	1270869	8/13/98	SD-DR170-0000		10	Yes		951
EPA SI	DR171	199597	1271310	8/19/98	SD-DR171-0000		10	Yes		952
EPA SI	DR172	199332	1271882	8/18/98	SD-DR172-0000		10	Yes		953
EPA SI	DR173	199114	1272080	8/18/98	SD-DR173-0000		10	Yes		956
EPA SI	DR174	198908	1272323	8/20/98	SD-DR174-0000		10	Yes		957
EPA SI	DR175	198641	1272581	8/20/98	SD-DR175-0000		10	No	superseded by LDW-SS94, 1 ft away	958
EPA SI	DR176	192598	1276777	8/31/98	SD-DR176-0000		10	Yes		959
EPA SI	DR177	198927	1273268	8/24/98	SD-DR177-0000		10	Yes		960
EPA SI	DR178	199382	1273451	8/24/98	SD-DR178-0000-CC		10	Yes		961
EPA SI	DR179	199248	1273506	8/24/98	SD-DR179-0000		10	Yes		962
EPA SI	DR180	198788	1273253	8/24/98	SD-DR180-0000		10	Yes		963
EPA SI	DR181	198868	1273272	9/1/98	SD-DR181-0000		10	Yes		964
EPA SI	DR182	198683	1273177	8/24/98	SD-DR182-0000		10	Yes		965
EPA SI	DR183	198481	1272794	8/24/98	SD-DR183-0000		10	Yes		966
EPA SI	DR184	195644	1275789	8/19/98	SD-DR184-0000		10	Yes		967
EPA SI	DR185	195623	1275825	8/27/98	SD-DR185-0000		10	Yes		968
EPA SI	DR186	195288	1275958	8/27/98	SD-DR186-0000		10	No	superseded by LDW-SS111, 1 ft away	969
EPA SI	DR187	194730	1276134	8/27/98	SD-DR187-0000		10	No	superseded by LDW-SS115, 3 ft away	970
EPA SI	DR188	194346	1276165	8/25/98	SD-DR188-0000		10	Yes		971
EPA SI	DR189	199261	1271415	9/14/98	SD-DR189-0000		10	Yes		972
EPA SI	DR190	198980	1271749	8/13/98	SD-DR190-0000		10	Yes		973
EPA SI	DR191	198744	1271964	8/13/98	SD-DR191-0000		10	No	sample falls within 1998 Hurlen-Boyer Dredge area - exclude	974
EPA SI	DR192	198507	1272251	8/13/98	SD-DR192-0000		10	No	sample falls within 1998 Hurlen-Boyer Dredge area - exclude	975
EPA SI	DR193	198270	1272586	8/13/98	SD-DR193-0000		10	Yes		976
EPA SI	DR194	198024	1272793	8/20/98	SD-DR194-0000		10	Yes		977
EPA SI	DR195	197789	1273031	8/20/98	SD-DR195-0000		10	Yes		978
EPA SI	DR196	197642	1273221	8/20/98	SD-DR196-0000		10	Yes		979

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EPA SI	DR197	197462	1273347	8/20/98	SD-DR197-0000		10	Yes		980
EPA SI	DR198	197314	1273506	8/20/98	SD-DR198-0000		10	No	superseded by LDW-SS102, 3 ft away	981
EPA SI	DR199	197211	1273645	8/20/98	SD-DR199-0000		10	Yes		982
EPA SI	DR200	197069	1273797	8/20/98	SD-DR200-0000		10	Yes		983
EPA SI	DR201	196942	1273911	8/27/98	SD-DR201-0000		10	Yes		984
EPA SI	DR202	197040	1273815	8/27/98	SD-DR202-0000		10	No	superseded by LDW-SS104, 2 ft away	985
EPA SI	DR203	196653	1274270	8/27/98	SD-DR203-0000		10	Yes		986
EPA SI	DR204	196615	1274338	8/27/98	SD-DR204-0000		10	Yes		987
EPA SI	DR205	196285	1274673	8/27/98	SD-DR205-0000		10	Yes		988
EPA SI	DR206	195754	1275344	8/27/98	SD-DR206-0000		10	Yes		989
EPA SI	DR207	195650	1275429	8/27/98	SD-DR207-0000		10	Yes		992
EPA SI	DR208	195319	1275631	8/27/98	SD-DR208-0000		10	Yes		993
EPA SI	DR209	195037	1275718	8/27/98	SD-DR209-0000		10	Yes		994
EPA SI	DR210	194662	1275822	8/25/98	SD-DR210-0000		10	Yes		995
EPA SI	DR211	194464	1275861	8/25/98	SD-DR211-0000		10	Yes		996
EPA SI	DR212	199045	1272042	8/20/98	SD-DR212-0000		10	Yes		997
EPA SI	DR213	198815	1272337	8/20/98	SD-DR213-0000		10	Yes		998
EPA SI	DR214	198080	1273025	8/19/98	SD-DR214-0000		10	Yes		999
EPA SI	DR215	197539	1273667	8/19/98	SD-DR215-0000		10	Yes		1000
EPA SI	DR216	197014	1274253	8/20/98	SD-DR216-0000		10	Yes		1001
EPA SI	DR217	196501	1274912	8/19/98	SD-DR217-0000		10	Yes		1002
EPA SI	DR218	195967	1275405	8/19/98	SD-DR218-0000		10	Yes		1003
EPA SI	DR219	195234	1275919	9/14/98	SD-DR219-0000		10	Yes		1004
EPA SI	DR220	194669	1276032	8/25/98	SD-DR220-0000		10	Yes		1005
EPA SI	DR221	198941	1271882	8/13/98	SD-DR221-0000		10	Yes		1008
EPA SI	DR222	198394	1272420	8/13/98	SD-DR222-0000		10	Yes		1009
EPA SI	DR223	197942	1272984	8/20/98	SD-DR223-0000-CC		10	Yes		1010
EPA SI	DR224	197554	1273359	8/20/98	SD-DR224-0000		10	Yes		1011
EPA SI	DR225	197450	1273489	8/20/98	SD-DR225-0000		10	Yes		1014
EPA SI	DR226	196849	1274129	8/27/98	SD-DR226-0000		10	Yes		1015
EPA SI	DR227	196371	1274669	8/27/98	SD-DR227-0000		10	Yes		1016
EPA SI	DR228	196122	1275015	9/1/98	SD-DR228-0000		10	No	sample inside 1999 USACE dredge - exclude	1017
EPA SI	DR229	195739	1275490	8/27/98	SD-DR229-0000		10	No	sample inside 1999 USACE dredge - exclude	1018
EPA SI	DR230	194778	1275907	8/25/98	SD-DR230-0000		10	No	sample inside 1999 USACE dredge - exclude	1019
EPA SI	DR231	199354	1271554	8/13/98	SD-DR231-0000		10	Yes		1020

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EPA SI	DR232	198341	1272581	8/13/98	SD-DR232-0000		10	Yes		1021
EPA SI	DR233	197264	1273851	8/19/98	SD-DR233-0000		10	Yes		1022
EPA SI	DR234	196363	1274835	8/19/98	SD-DR234-0000		10	No	sample inside 1999 USACE dredge - exclude	1023
EPA SI	DR235	195030	1275851	8/26/98	SD-DR235-0000		10	No	sample inside 1999 USACE dredge - exclude	1024
EPA SI	DR236	194049	1276297	8/27/98	SD-DR236-0000		10	Yes		1025
EPA SI	DR237	193610	1276399	8/25/98	SD-DR237-0000		10	Yes		1026
EPA SI	DR238	193348	1276577	8/27/98	SD-DR238-0000		10	No	superseded by LDW-SS125, 1 ft away	1027
EPA SI	DR239	192986	1276638	8/27/98	SD-DR239-0000		10	Yes		1028
EPA SI	DR240	192789	1276996	8/24/98	SD-DR240-0000		10	Yes		1029
EPA SI	DR241	192949	1277288	8/24/98	SD-DR241-0000		10	Yes		1030
EPA SI	DR242	192929	1277477	8/24/98	SD-DR242-0000-CC		10	No	superseded by RhonePoulenc2004 loc. SB-1 - exclude	1031
EPA SI	DR243	192764	1277273	8/24/98	SD-DR243-0000		10	Yes		1032
EPA SI	DR244	192819	1277189	9/1/98	SD-DR244-0000		10	Yes		1033
EPA SI	DR245	192632	1276944	8/24/98	SD-DR245-0000		10	Yes		1034
EPA SI	DR246	192615	1276783	8/31/98	SD-DR246-0000		10	Yes		1035
EPA SI	DR247	192274	1276768	8/26/98	SD-DR247-0000		10	Yes		1038
EPA SI	DR248	192057	1276779	8/26/98	SD-DR248-0000		10	Yes		1039
EPA SI	DR249	191613	1276827	8/26/98	SD-DR249-0000		10	Yes		1040
EPA SI	DR250	191147	1276974	8/26/98	SD-DR250-0000		10	Yes		1041
EPA SI	DR251	191096	1276998	8/26/98	SD-DR251-0000		10	Yes		1042
EPA SI	DR252	190631	1277272	8/26/98	SD-DR252-0000		10	Yes		1043
EPA SI	DR253	190515	1277554	8/26/98	SD-DR253-0000		10	Yes		1044
EPA SI	DR254	190434	1277888	8/26/98	SD-DR254-0000		10	Yes		1045
EPA SI	DR255	190300	1278369	9/15/98	SD-DR255-0000		10	No	exclude	1046
EPA SI	DR256	190118	1278608	9/15/98	SD-DR256-0000		10	No	exclude	1047
EPA SI	DR257	189921	1278894	9/15/98	SD-DR257-0000		10	Yes		1048
EPA SI	DR258	193974	1275959	8/25/98	SD-DR258-0000		10	Yes		1049
EPA SI	DR259	193565	1276128	8/25/98	SD-DR259-0000		10	Yes		1050
EPA SI	DR260	193122	1276042	9/2/98	SD-DR260-0000		10	No	Inside Duwamish YC dredge, 1999 - exclude	1051
EPA SI	DR261	192860	1276181	8/25/98	SD-DR261-0000		10	No	Inside Duwamish YC dredge, 1999 - exclude	1052
EPA SI	DR262	192596	1276277	9/1/98	SD-DR262-0000		10	Yes		1053
EPA SI	DR263	191971	1276417	8/25/98	SD-DR263-0000		10	Yes		1054
EPA SI	DR264	192042	1276464	8/26/98	SD-DR264-0000		10	Yes		1055
EPA SI	DR265	191531	1276506	8/26/98	SD-DR265-0000		10	Yes		1056

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EPA SI	DR266	191129	1276619	8/26/98	SD-DR266-0000		10	Yes		1057
EPA SI	DR267	190906	1276672	8/26/98	SD-DR267-0000		10	Yes		1058
EPA SI	DR268	190548	1276736	8/26/98	SD-DR268-0000		10	Yes		1059
EPA SI	DR269	190328	1276822	8/26/98	SD-DR269-0000		10	Yes		1060
EPA SI	DR270	190223	1276969	8/26/98	SD-DR270-0000		10	Yes		1063
EPA SI	DR271	189995	1277573	9/15/98	SD-DR271-0000		10	No	superseded by LDW-SS148, 2 ft away	1064
EPA SI	DR272	190347	1277873	8/26/98	SD-DR272-0000		10	Yes		1065
EPA SI	DR273	190248	1277875	8/26/98	SD-DR273-0000		10	Yes		1066
EPA SI	DR274	190078	1278222	9/15/98	SD-DR274-0000		10	Yes		1067
EPA SI	DR275	189920	1278503	9/15/98	SD-DR275-0000		10	Yes		1068
EPA SI	DR276	189794	1278792	9/15/98	SD-DR276-0000		10	Yes		1069
EPA SI	DR277	193929	1276243	8/25/98	SD-DR277-0000		10	Yes		1070
EPA SI	DR278	193143	1276462	8/26/98	SD-DR278-0000		10	Yes		1071
EPA SI	DR279	192527	1276621	8/26/98	SD-DR279-0000		10	Yes		1072
EPA SI	DR280	191932	1276776	8/26/98	SD-DR280-0000		10	Yes		1073
EPA SI	DR281	191246	1276875	8/26/98	SD-DR281-0000		10	Yes		1074
EPA SI	DR282	194054	1276089	8/25/98	SD-DR282-0000		10	No	sample inside 1999 USACE dredge - exclude	1075
EPA SI	DR283	193104	1276196	8/25/98	SD-DR283-0000		10	No	Inside Duwamish YC 1999 dredge - exclude	1076
EPA SI	DR284	192823	1276300	8/25/98	SD-DR284-0000		10	Yes		1077
EPA SI	DR285	192496	1276346	8/25/98	SD-DR285-0000		10	Yes		1080
EPA SI	DR286	191854	1276508	8/26/98	SD-DR286-0000-CC		10	No	superseded by LDW-B10b, 3 ft away	1081
EPA SI	DR287	190917	1276661	8/26/98	SD-DR287-0000		10	Yes		1082
EPA SI	DR288	193668	1276259	8/25/98	SD-DR288-0000		10	No	sample inside 1999 USACE dredge - exclude	1083
EPA SI	DR289	192175	1276597	8/26/98	SD-DR289-0000		10	Yes		1084
EPA SI	DR290	190894	1276803	8/26/98	SD-DR290-0000		10	Yes		1085
EPA SI	DR291	190542	1276938	8/26/98	SD-DR291-0000		10	Yes		1086
EPA SI	DR292	190402	1277127	8/26/98	SD-DR292-0000-CC		10	Yes		1087
EPA SI	DR293	190231	1277894	9/14/98	SD-DR293-0000		10	Yes		1088
EPA SI	DR294	190289	1278080	9/15/98	SD-DR294-0000		10	Yes		1089
EPA SI	DR295	190088	1278442	9/15/98	SD-DR295-0000		10	Yes		1090
EPA SI	DR296	189901	1278765	9/15/98	SD-DR296-0000		10	Yes		1091
EPA SI	DR297	188881	1279807	9/16/98	SD-DR297-0000		10	Yes		1092
EPA SI	DR298	188632	1279907	9/16/98	SD-DR298-0000		10	Yes		1093
EPA SI	DR299	188092	1279556	9/16/98	SD-DR299-0000		10	Yes		1094
EPA SI	DR300	187917	1279559	9/16/98	SD-DR300-0000		10	Yes		1095

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Event Name	Location Name	Northing	Eastings	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
EPA SI	DR301	188413	1279810	9/16/98	SD-DR301-0000		10	Yes		1096
Harbor Island RI	K-02	208023	1266885	9/24/91	K-02-1		2	Yes		13526
Harbor Island RI	K-02	208023	1266885	9/27/91	K-02		2	Yes		13524
Harbor Island RI	K-02	208023	1266885	9/27/91	K-02-D1	Duplicate	2	Yes		13527
Harbor Island RI	K-02	208023	1266885	10/14/91	K-02		2	Yes		13525
Harbor Island RI	K-02	208023	1266885	10/14/91	K-02-D2	Duplicate	2	Yes		13528
Harbor Island RI	K-02-1	208032	1267133	9/24/91	K-02-2		4	Yes		13530
Harbor Island RI	K-02-1	208032	1267133	9/24/91	K-02-3		6	Yes		13531
Harbor Island RI	K-02-1	208032	1267133	9/24/91	K-02-4		8	Yes		13532
Harbor Island RI	K-02-1	208032	1267133	9/24/91	K-02-5		10	Yes		13533
Harbor Island RI	K-02-1	208032	1267133	9/24/91	K-02-6		12	Yes		13534
Harbor Island RI	K-02-1	208032	1267133	9/24/91	K-02-7		14	Yes		13535
Harbor Island RI	K-03	209310	1266755	9/27/91	K-03-D1		2	Yes		701
Harbor Island RI	K-03	209310	1266755	10/11/91	K-03-D2-A		2	Yes		702
Harbor Island RI	K-03	209310	1266755	10/14/91	K-03		2	Yes		700
Harbor Island RI	K-03	209310	1266755	10/14/91	K-03-D2-B		2	Yes		703
Harbor Island RI	K-03	209310	1266755	10/14/91	K-03-D3		2	Yes		704
Harbor Island RI	K-04	209883	1266551	9/27/91	K-04-A		2	Yes		705
Harbor Island RI	K-04	209883	1266551	9/27/91	K-04-D1-B		2	Yes		708
Harbor Island RI	K-04	209883	1266551	10/14/91	K-04-B		2	Yes		706
Harbor Island RI	K-04	209883	1266551	10/14/91	K-04-D1-A		2	Yes		707
Harbor Island RI	K-04	209883	1266551	10/14/91	K-04-D2		2	Yes		709
Harbor Island RI	K-05	210286	1266258	9/27/91	K-05-1-D1		2	No	superseded by LDW-SS10, 1 ft away	714
Harbor Island RI	K-05	210286	1266258	9/27/91	K-05-1-D1	Duplicate	2	No	superseded by LDW-SS10, 1 ft away	13549
Harbor Island RI	K-05	210286	1266258	9/27/91	K-05-2-D1	Duplicate	2	No	superseded by LDW-SS10, 1 ft away	13553
Harbor Island RI	K-05	210286	1266258	9/27/91	K-05-3-D1	Duplicate	2	No	superseded by LDW-SS10, 1 ft away	13557
Harbor Island RI	K-05	210286	1266258	10/14/91	K-05-1		2	No	superseded by LDW-SS10, 1 ft away	13548
Harbor Island RI	K-05	210286	1266258	10/14/91	K-05-1-B		2	No	superseded by LDW-SS10, 1 ft away	713
Harbor Island RI	K-05	210286	1266258	10/14/91	K-05-1-D2		2	No	superseded by LDW-SS10, 1 ft away	715
Harbor Island RI	K-05	210286	1266258	10/14/91	K-05-1-D2	Duplicate	2	No	superseded by LDW-SS10, 1 ft away	13550
Harbor Island RI	K-05	210286	1266258	10/14/91	K-05-2		2	No	superseded by LDW-SS10, 1 ft away	13552
Harbor Island RI	K-05	210286	1266258	10/14/91	K-05-2-D2	Duplicate	2	No	superseded by LDW-SS10, 1 ft away	13554
Harbor Island RI	K-05	210286	1266258	10/14/91	K-05-3		2	No	superseded by LDW-SS10, 1 ft away	13556
Harbor Island RI	K-05	210286	1266258	10/14/91	K-05-3-D2	Duplicate	2	No	superseded by LDW-SS10, 1 ft away	13558
Harbor Island RI	K-06	210819	1266250	9/30/91	K-06		2	Yes		716
Harbor Island RI	K-07	211229	1266883	9/30/91	K-07		2	No	superseded by LDW-SS4, 1 ft away	717
Harbor Island RI	K-08	211686	1267033	9/30/91	K-08		2	Yes		718

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Harbor Island RI	K-10	211228	1266580	9/27/91	K-10-A		2	Yes		719
Harbor Island RI	K-10	211228	1266580	9/27/91	K-10-D1		2	Yes		721
Harbor Island RI	K-10	211228	1266580	10/14/91	K-10-B		2	Yes		720
Harbor Island RI	K-10	211228	1266580	10/14/91	K-10-D2		2	Yes		722
Harbor Island RI	K-11	211372	1266032	9/30/91	K-11		2	No	superseded by LDW-SS1, less than 1 ft away	723
Harbor Island RI	K-12	211610	1265764	9/30/91	K-12		2	Yes		724
Harbor Island RI	K-13	211863	1265485	9/30/91	K-13		2	Yes		725
JamesHardieOutfall	0010	203668	1268837	7/3/00	JHGSA-SD1-02-0010		10	Yes		18784
JamesHardieOutfall	0010	204124	1268733	7/3/00	JHGSA-SD1-05-0010		10	Yes		18785
JamesHardieOutfall	0010	203999	1268767	7/3/00	JHGSA-SD1-06-0010		10	Yes		18786
JamesHardieOutfall	0010	203639	1268827	7/3/00	JHGSA-SD1-32-0010		10	Yes		18787
JamesHardieOutfall	COMP10-00	204065	1268744	7/3/00	00		10	Yes		18788
JamesHardieOutfall	COMP16-00	203818	1268760	7/3/00	00		10	Yes		18789
JamesHardieOutfall	COMP22-00	203820	1268785	7/3/00	00		10	Yes		18790
JamesHardieOutfall	COMP27-00	203079	1269035	7/3/00	00		10	Yes		18791
JamesHardieOutfall	COMP32-00	203158	1269008	7/3/00	00		10	Yes		18792
JorgensenAugust2004	SD-206-S	195605	1275814	8/26/04	SD-206-0000		10	Yes		31032
JorgensenAugust2004	SD-207-S	195554	1275827	8/26/04	SD-207-0000		10	Yes		31024
JorgensenAugust2004	SD-207-S	195554	1275827	8/26/04	SD-433		10	Yes		31031
JorgensenAugust2004	SD-208-S	195512	1275852	8/26/04	SD-208-0000		10	Yes		31023
JorgensenAugust2004	SD-209-S	195410	1275860	8/26/04	SD-209-0000		10	Yes		31022
JorgensenAugust2004	SD-210-S	195365	1275875	8/27/04	SD-210-0000		10	Yes		31021
JorgensenAugust2004	SD-211-S	195319	1275903	8/27/04	SD-211-0000		10	Yes		31020
JorgensenAugust2004	SD-212-S	195278	1275905	8/27/04	SD-212-0000		10	Yes		31019
JorgensenAugust2004	SD-213-S	195579	1275818	8/27/04	SD-213-0000		10	Yes		31018
JorgensenAugust2004	SD-214-S	195230	1275903	8/27/04	SD-214-0000		10	Yes		31016
JorgensenAugust2004	SD-215-S	195464	1275851	8/27/04	SD-215-0000		10	Yes		31025
JorgensenAugust2004	SD-216-S	195185	1275934	8/26/04	SD-216-0000		10	Yes		31014
JorgensenAugust2004	SD-217-S	195131	1275949	8/27/04	SD-217-0000		10	Yes		31013
JorgensenAugust2004	SD-307-S	195684	1275819	8/16/04	SD-307-0000		10	Yes		31002
JorgensenAugust2004	SD-309-S	195580	1275858	8/16/04	SD-309-0000		10	Yes		31008
JorgensenAugust2004	SD-310-S	195517	1275880	8/16/04	SD-310-0000		10	Yes		31007
JorgensenAugust2004	SD-311-S	195457	1275909	8/16/04	SD-311-0000		10	Yes		31039
JorgensenAugust2004	SD-312-S	195427	1275912	8/16/04	SD-312-0000		10	Yes		31046
JorgensenAugust2004	SD-313-S	195311	1275946	8/16/04	SD-313-0000		10	Yes		31017
JorgensenAugust2004	SD-314-S	195235	1275968	8/17/04	SD-314-0000		10	Yes		31038

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale for Exclusion	Sample Num.
JorgensenAugust2004	SD-314-S	195235	1275968	8/17/04	SD-325-0000		10	Yes		31036
JorgensenAugust2004	SD-315-S	195159	1276003	8/17/04	SD-315-0000		10	Yes		31050
JorgensenAugust2004	SD-316-S	195650	1275820	8/16/04	SD-316-0000		10	Yes		31034
JorgensenAugust2004	SD-317-S	195624	1275837	8/16/04	SD-317-0000		10	Yes		31044
JorgensenAugust2004	SD-318-S	195543	1275863	8/16/04	SD-318-0000		10	Yes		31030
JorgensenAugust2004	SD-319-S	195433	1275871	8/16/04	SD-319-0000		10	Yes		31029
JorgensenAugust2004	SD-320-S	195387	1275927	8/16/04	SD-320-0000		10	Yes		31027
JorgensenAugust2004	SD-321-S	195765	1275593	8/16/04	SD-321-0000		10	Yes		31042
JorgensenAugust2004	SD-321-S	195765	1275593	8/16/04	SD-324-0000		10	Yes		31035
JorgensenAugust2004	SD-322-S	195314	1275870	8/16/04	SD-322-0000		10	Yes		31028
JorgensenAugust2004	SD-323-S	195348	1275946	8/17/04	SD-323-0000		10	No	superseded by LDW-SS10 - exclude	31033
JorgensenAugust2004	SD-330-S	195629	1275811	8/27/04	SD-330-0000		10	Yes		31026
JorgensenAugust2004	SD-331-S	195608	1275828	8/27/04	SD-331-0000		10	Yes		31040
JorgensenAugust2004	SD-332-S	195566	1275858	8/26/04	SD-332-0000		10	Yes		31041
JorgensenAugust2004	SD-333-S	195589	1275849	8/27/04	SD-333-0000		10	Yes		31043
JorgensenAugust2004	SD-333-S	195589	1275849	8/27/04	SD-431		10	Yes		31004
JorgensenAugust2004	SD-334-S	195473	1275890	8/26/04	SD-334-0000		10	Yes		31037
JorgensenAugust2004	SD-335-S	195446	1275854	8/27/04	SD-335-0000		10	Yes		31045
JorgensenAugust2004	SD-336-S	194947	1276034	8/27/04	SD-336-0000		10	Yes		31047
JorgensenAugust2004	SD-337-S	195270	1275948	8/27/04	SD-337-0000		10	Yes		31048
JorgensenAugust2004	SD-338-S	195306	1275944	8/26/04	SD-338-0000		10	Yes		31049
JorgensenAugust2004	SD-338-S	195306	1275944	8/26/04	SD-432		10	Yes		31003
JorgensenAugust2004	SD-339-S	195214	1275963	8/26/04	SD-339-0000		10	Yes		31015
JorgensenAugust2004	SD-340-S	195381	1275908	8/26/04	SD-340-0000		10	Yes		31006
JorgensenAugust2004	SD-341-S	195676	1275827	8/26/04	SD-341-0000		10	Yes		31010
JorgensenAugust2004	SD-342-S	195406	1275922	8/27/04	SD-342-0000		10	Yes		31011
JorgensenAugust2004	SD-343-S	195527	1275875	8/27/04	SD-343-0000		10	Yes		31005
JorgensenAugust2004	SD-344-S	195707	1275799	8/26/04	SD-344-0000		10	Yes		31009
JorgensenAugust2004	SD-345-S	195135	1275985	8/26/04	SD-345-0000		10	Yes		31012
KC WQA	DD-1	209123	1267156	9/24/97	L12059-1		10	Yes		403
KC WQA	DD-1	209123	1267156	9/24/97	L12666-1		10	Yes		404
KC WQA	DD-2	209062	1267095	9/24/97	L12666-2		10	Yes		405
KC WQA	DD-2	209062	1267095	9/24/97	L12666-3		10	Yes		406
KC WQA	DD-3	208932	1267043	9/24/97	L12059-3		10	Yes		407
KC WQA	DD-3	208932	1267043	9/24/97	L12666-4		10	Yes		408
KC WQA	DD-4	208788	1266936	9/24/97	L12666-5		10	Yes		409
KC WQA	DD-4	208788	1266936	9/24/97	L12666-6		10	Yes		410

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
KC WQA	DD-5	208609	1266847	9/24/97	L12059-5		10	Yes		411
KC WQA	DD-5	208609	1266847	9/24/97	L12666-7		10	Yes		412
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-1		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4127
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-2		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4128
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-3		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4129
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-4		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4130
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-5		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4131
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-6		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4132
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-7		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4133
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-8		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4134
KC WQA	Kellogg Island - Amphipods	207202	1266150	7/14/98	L13812-9		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4135
KC WQA	KI-1	208525	1266654	9/24/97	L12059-6		10	Yes		413
KC WQA	KI-1	208525	1266654	9/24/97	L12666-8		10	Yes		414
KC WQA	KI-2	208277	1266668	9/24/97	L12059-7		10	Yes		415
KC WQA	KI-2	208277	1266668	9/24/97	L12666-9		10	Yes		416
KC WQA	KI-3	208219	1266678	9/24/97	L12666-10		10	Yes		417
KC WQA	KI-3	208219	1266678	9/24/97	L12666-11		10	Yes		418
KC WQA	KI-4	207758	1266618	9/24/97	L12059-9		10	Yes		419
KC WQA	KI-4	207758	1266618	9/24/97	L12666-12		10	Yes		420
KC WQA	West Marginal Way - Amphipods	207348	1266548	7/23/98	L13898-1		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4137
KC WQA	West Marginal Way - Amphipods	207348	1266548	7/23/98	L13898-2		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4138
KC WQA	West Marginal Way - Amphipods	207348	1266548	7/23/98	L13898-3		10	No	Coordinates uncertain and do not meet project DQOs - exclude	4139
KC WQA	WQA8AVE	198442	1272429	3/6/97	L10535-3		2	Yes		421
KC WQA	WQA8AVE	198442	1272429	3/12/97	L10601-3		2	Yes		422
KC WQA	WQA8AVE	198442	1272429	3/27/97	L10623-3		2	Yes		423
KC WQA	WQA8AVE	198442	1272429	4/3/97	L10785-3		2	Yes		424
KC WQA	WQA8AVE	198442	1272429	4/8/97	L10786-3		2	Yes		425

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Event Name	Location Name	Northing	Eastng	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
KC WQA	WQA8AVE	198442	1272429	4/17/97	L10787-3		2	Yes		426
KC WQA	WQA8AVE	198442	1272429	4/24/97	L10788-3		2	Yes		427
KC WQA	WQA8AVE	198442	1272429	5/1/97	L10930-3		2	Yes		428
KC WQA	WQA8AVE	198442	1272429	5/8/97	L10931-3		2	Yes		429
KC WQA	WQABRAN	205954	1268079	3/6/97	L10535-1		2	Yes		430
KC WQA	WQABRAN	205954	1268079	3/12/97	L10601-1		2	Yes		431
KC WQA	WQABRAN	205954	1268079	3/27/97	L10623-1		2	Yes		432
KC WQA	WQABRAN	205954	1268079	4/3/97	L10785-1		2	Yes		433
KC WQA	WQABRAN	205954	1268079	4/8/97	L10786-1		2	Yes		434
KC WQA	WQABRAN	205954	1268079	4/17/97	L10787-1		2	Yes		435
KC WQA	WQABRAN	205954	1268079	4/24/97	L10788-1		2	Yes		436
KC WQA	WQABRAN	205954	1268079	5/1/97	L10930-1		2	Yes		437
KC WQA	WQABRAN	205954	1268079	5/8/97	L10931-1		2	Yes		438
KC WQA	WQABRAN	205954	1268079	5/15/97	L11124-1		2	Yes		439
KC WQA	WQABRAN	205954	1268079	5/20/97	L11178-1		2	Yes		440
KC WQA	WQABRAN	205954	1268079	5/28/97	L11188-1		2	Yes		441
KC WQA	WQABRAN	205954	1268079	6/3/97	L11248-1		2	Yes		442
KC WQA	WQAHAMM	191594	1276618	5/15/97	L11124-2		2	Yes		443
KC WQA	WQAHAMM	191594	1276618	5/20/97	L11178-2		2	Yes		444
KC WQA	WQAHAMM	191594	1276618	5/28/97	L11188-2		2	Yes		445
KC WQA	WQAHAMM	191594	1276618	6/3/97	L11248-2		2	Yes		446
KC WQA	WQAKELL	208277	1266669	3/6/97	L10535-2		2	Yes		447
KC WQA	WQAKELL	208277	1266669	3/12/97	L10601-2		2	Yes		448
KC WQA	WQAKELL	208277	1266669	3/27/97	L10623-2		2	Yes		449
KC WQA	WQAKELL	208277	1266669	4/3/97	L10785-2		2	Yes		450
KC WQA	WQAKELL	208277	1266669	4/8/97	L10786-2		2	Yes		451
KC WQA	WQAKELL	208277	1266669	4/17/97	L10787-2		2	Yes		452
KC WQA	WQAKELL	208277	1266669	4/24/97	L10788-2		2	Yes		453
KC WQA	WQAKELL	208277	1266669	5/1/97	L10930-2		2	Yes		454
KC WQA	WQAKELL	208277	1266669	5/8/97	L10931-2		2	Yes		455
KC WQA	WQASOPK	196780	1274251	5/15/97	L11124-3		2	Yes		456
KC WQA	WQASOPK	196780	1274251	5/20/97	L11178-3		2	Yes		457
KC WQA	WQASOPK	196780	1274251	5/28/97	L11188-3		2	Yes		458
KC WQA	WQASOPK	196780	1274251	6/3/97	L11248-3		2	Yes		459
LDWRI-Benthic	B10a	190001	1277627	8/30/04	LDW-B10a-S		10	Yes		20381
LDWRI-Benthic	B10b	191851	1276508	8/19/04	LDW-B10b-S		10	Yes		20382
LDWRI-Benthic	B1a	210470	1265912	8/13/04	LDW-B1a-S		10	Yes		20383

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LDWRI-Benthic	B1b	210811	1266302	9/27/04	LDW-B1b-S		7	Yes		20384
LDWRI-Benthic	B2a	206667	1266358	8/13/04	LDW-B2a-S		10	Yes		20385
LDWRI-Benthic	B2b	207052	1267396	9/27/04	LDW-B2b-S		7	Yes		20386
LDWRI-Benthic	B3a	207458	1266670	8/26/04	LDW-B3a-S		10	Yes		20387
LDWRI-Benthic	B3b	206562	1268457	8/17/04	LDW-B3b-S		10	Yes		20388
LDWRI-Benthic	B4a	203960	1267960	8/15/04	LDW-B4a-S		10	Yes		20389
LDWRI-Benthic	B4b	204605	1268471	8/28/04	LDW-B4b-S		10	Yes		20390
LDWRI-Benthic	B5a-1	200276	1270415	8/16/04	LDW-B5a-S1		10	Yes		20391
LDWRI-Benthic	B5a-2	200299	1270183	9/24/04	LDW-B5a-S2		10	Yes		20392
LDWRI-Benthic	B5b	204112	1268657	9/28/04	LDW-B5b-S		9	Yes		20393
LDWRI-Benthic	B6a	200928	1269735	8/15/04	LDW-B6a-S		10	Yes		20394
LDWRI-Benthic	B6b	200904	1270433	9/18/04	LDW-B6b-S		10	Yes		20395
LDWRI-Benthic	B7a	197419	1273379	8/30/04	LDW-B7a-S		10	Yes		20396
LDWRI-Benthic	B7b	198899	1272090	8/17/04	LDW-B7b-S		10	Yes		20397
LDWRI-Benthic	B8a	196111	1275441	8/27/04	LDW-B8a-S		10	Yes		20398
LDWRI-Benthic	B8b	192758	1276633	8/19/04	LDW-B8b-S		10	Yes		20399
LDWRI-Benthic	B9a	190939	1277046	8/27/04	LDW-B9a-S		10	Yes		20400
LDWRI-Benthic	B9b	193929	1276294	8/13/04	LDW-B9b-S		10	Yes		20401
LDWRI-Benthic	C1	210338	1265982	8/26/04	LDW-C1-S		10	Yes		20404
LDWRI-Benthic	C10-1	195690	1275412	8/25/04	LDW-C10-S1		10	Yes		20403
LDWRI-Benthic	C10-2	195626	1275461	8/25/04	LDW-C10-S2	Replicate	10	Yes		20420
LDWRI-Benthic	C2-1	207620	1266599	8/26/04	LDW-C2-S1		10	Yes		20405
LDWRI-Benthic	C2-2	207045	1266806	8/26/04	LDW-C2-S2	Replicate	10	Yes		20421
LDWRI-Benthic	C3-1	207849	1265925	8/27/04	LDW-C3-S1		10	Yes		20406
LDWRI-Benthic	C3-2	207773	1265935	8/27/04	LDW-C3-S2	Replicate	10	Yes		20422
LDWRI-Benthic	C4	204000	1267956	8/27/04	LDW-C4-S		10	Yes		20407
LDWRI-Benthic	C5	202492	1269228	8/27/04	LDW-C5-S		10	Yes		20408
LDWRI-Benthic	C6	200978	1269684	8/25/04	LDW-C6-S		10	Yes		20409
LDWRI-Benthic	C7-1	198872	1273401	8/26/04	LDW-C7-S1		10	Yes		20410
LDWRI-Benthic	C7-2	199144	1273517	8/26/04	LDW-C7-S2	Replicate	10	Yes		20423
LDWRI-Benthic	C8	199444	1273492	8/26/04	LDW-C8-S		10	Yes		20411
LDWRI-Benthic	C9	198325	1272400	8/25/04	LDW-C9-S		10	Yes		20412
SurfaceSedimentRound1	LDW-SS1	211372	1266032	1/17/05	LDW-SS1-010		8	Yes		29937
SurfaceSedimentRound1	LDW-SS10	210287	1266257	1/17/05	LDW-SS10-010		10	Yes		29936
SurfaceSedimentRound1	LDW-SS101	197451	1273285	1/20/05	LDW-SS101-010		10	Yes		29938
SurfaceSedimentRound1	LDW-SS102	197312	1273508	1/24/05	LDW-SS102-010		10	Yes		29939
SurfaceSedimentRound1	LDW-SS104	197042	1273815	1/25/05	LDW-SS104-010		10	Yes		29940

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
SurfaceSedimentRound1	LDW-SS109	195745	1275746	1/25/05	LDW-SS109-010		10	Yes		29941
SurfaceSedimentRound1	LDW-SS110	195351	1275947	1/25/05	LDW-SS110-010		10	Yes		29942
SurfaceSedimentRound1	LDW-SS111	195287	1275958	1/19/05	LDW-SS111-010		10	Yes		29943
SurfaceSedimentRound1	LDW-SS112	195022	1276032	1/19/05	LDW-SS112-010		10	Yes		29944
SurfaceSedimentRound1	LDW-SS113b	194956	1275773	1/20/05	LDW-SS113b-010		10	Yes		29945
SurfaceSedimentRound1	LDW-SS114	194871	1276045	1/20/05	LDW-SS114-010		10	Yes		29946
SurfaceSedimentRound1	LDW-SS115	194727	1276134	1/25/05	LDW-SS115-010		10	Yes		29947
SurfaceSedimentRound1	LDW-SS116	194577	1276177	1/20/05	LDW-SS116-010		10	Yes		29948
SurfaceSedimentRound1	LDW-SS117	194552	1275819	1/20/05	LDW-SS117-010		10	Yes		29949
SurfaceSedimentRound1	LDW-SS118	194553	1276092	1/20/05	LDW-SS118-010		10	Yes		29950
SurfaceSedimentRound1	LDW-SS119	194389	1276228	1/19/05	LDW-SS119-010		10	Yes		29951
SurfaceSedimentRound1	LDW-SS12	210192	1266102	1/17/05	LDW-SS12-010		10	Yes		29953
SurfaceSedimentRound1	LDW-SS120	194178	1276295	1/19/05	LDW-SS120-010		10	Yes		29952
SurfaceSedimentRound1	LDW-SS121	194079	1276328	1/25/05	LDW-SS121-010		10	Yes		29954
SurfaceSedimentRound1	LDW-SS123	193932	1276329	1/24/05	LDW-SS123-010		10	Yes		29955
SurfaceSedimentRound1	LDW-SS123	193932	1276329	1/24/05	LDW-SS203-010	Duplicate	10	Yes		30054
SurfaceSedimentRound1	LDW-SS125	193347	1276577	1/20/05	LDW-SS125-010		10	Yes		29956
SurfaceSedimentRound1	LDW-SS126	193145	1276639	1/20/05	LDW-SS126-010		10	Yes		29957
SurfaceSedimentRound1	LDW-SS127	193043	1277454	1/20/05	LDW-SS127-010		10	Yes		29958
SurfaceSedimentRound1	LDW-SS128	193013	1277368	1/24/05	LDW-SS128-010		10	Yes		29959
SurfaceSedimentRound1	LDW-SS129	192920	1277559	1/20/05	LDW-SS129-010		10	Yes		29960
SurfaceSedimentRound1	LDW-SS13	210045	1266935	1/17/05	LDW-SS13-010		10	Yes		29962
SurfaceSedimentRound1	LDW-SS130	192810	1277407	1/20/05	LDW-SS130-010		10	Yes		29961
SurfaceSedimentRound1	LDW-SS134	192176	1276280	1/24/05	LDW-SS134-010		10	Yes		29963
SurfaceSedimentRound1	LDW-SS14	209894	1266193	1/17/05	LDW-SS14-010		10	Yes		29964
SurfaceSedimentRound1	LDW-SS142	190492	1277874	1/24/05	LDW-SS142-010		10	Yes		29965
SurfaceSedimentRound1	LDW-SS143	190387	1278267	1/26/05	LDW-SS143-010		10	Yes		29966
SurfaceSedimentRound1	LDW-SS15	209859	1266465	1/17/05	LDW-SS15-010		10	Yes		29967
SurfaceSedimentRound1	LDW-SS17	209786	1266877	1/24/05	LDW-SS17-010		10	Yes		29968
LDWRI-SurfaceSedimentRound1	LDW-SS18	209531	1266844	2/1/05	LDW-SS18-010		10	No	Collected within 200 ft of Duwamish/Diagonal dredging - exclude because reflects post-remediation conditions in this area	29969
LDWRI-SurfaceSedimentRound1	LDW-SS20	209158	1266779	2/2/05	LDW-SS20-010		10	No	Collected within 200 ft of Duwamish/Diagonal dredging - exclude because reflects post-remediation conditions in this area	29970

Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
LDWRI-SurfaceSedimentRound1	LDW-SS22	208754	1267170	1/17/05	LDW-SS22-010		10	No	Collected within 200 ft of Duwamish/Diagonal dredging - exclude because reflects post-remediation conditions in this area	29971
SurfaceSedimentRound1	LDW-SS23	208453	1266583	1/18/05	LDW-SS23-010		10	Yes		29972
SurfaceSedimentRound1	LDW-SS26	207662	1267286	1/18/05	LDW-SS26-010		10	Yes		29973
SurfaceSedimentRound1	LDW-SS27	207314	1267545	1/18/05	LDW-SS200-010	Duplicate	10	Yes		30051
SurfaceSedimentRound1	LDW-SS27	207314	1267545	1/18/05	LDW-SS27-010		10	Yes		29974
SurfaceSedimentRound1	LDW-SS28	207219	1265966	1/24/05	LDW-SS28-010		10	Yes		29975
SurfaceSedimentRound1	LDW-SS31	206550	1268449	1/21/05	LDW-SS31-010		10	Yes		29976
SurfaceSedimentRound1	LDW-SS32	206530	1268204	1/18/05	LDW-SS32-010		10	Yes		29977
SurfaceSedimentRound1	LDW-SS33	206526	1266283	1/26/05	LDW-SS33-010		10	Yes		29978
SurfaceSedimentRound1	LDW-SS36	206189	1267011	1/24/05	LDW-SS36-010		10	Yes		29979
SurfaceSedimentRound1	LDW-SS37	206172	1267737	1/18/05	LDW-SS37-010		10	Yes		29980
SurfaceSedimentRound1	LDW-SS38	205939	1267634	1/18/05	LDW-SS38-010		10	Yes		29981
SurfaceSedimentRound1	LDW-SS4	211231	1266882	1/17/05	LDW-SS4-010		10	Yes		29983
SurfaceSedimentRound1	LDW-SS40	205507	1267959	1/18/05	LDW-SS40-010		9	Yes		29982
SurfaceSedimentRound1	LDW-SS42	205297	1268262	1/24/05	LDW-SS42-010		10	Yes		29984
SurfaceSedimentRound1	LDW-SS43	205162	1267881	1/21/05	LDW-SS43-010		10	Yes		29985
SurfaceSedimentRound1	LDW-SS44	204907	1267942	1/21/05	LDW-SS44-010		10	Yes		29986
SurfaceSedimentRound1	LDW-SS48	204598	1268049	1/18/05	LDW-SS48-010		10	Yes		29987
SurfaceSedimentRound1	LDW-SS49	204472	1268100	1/26/05	LDW-SS49-010		10	Yes		29988
SurfaceSedimentRound1	LDW-SS5	211209	1265995	1/17/05	LDW-SS5-010		10	Yes		29990
SurfaceSedimentRound1	LDW-SS50	204435	1268520	1/24/05	LDW-SS202-010	Duplicate	10	Yes		30053
SurfaceSedimentRound1	LDW-SS50	204435	1268520	1/24/05	LDW-SS50-010		10	Yes		29989
SurfaceSedimentRound1	LDW-SS51	204366	1268234	1/18/05	LDW-SS51-010		10	Yes		29991
SurfaceSedimentRound1	LDW-SS52	204314	1268452	1/25/05	LDW-SS52-010		10	Yes		29992
SurfaceSedimentRound1	LDW-SS54	204284	1268568	1/24/05	LDW-SS54-010		10	Yes		29994
SurfaceSedimentRound1	LDW-SS55	204179	1268182	1/24/05	LDW-SS55-010		10	Yes		29995
SurfaceSedimentRound1	LDW-SS56	204056	1268032	1/24/05	LDW-SS56-010		10	Yes		29996
SurfaceSedimentRound1	LDW-SS57	203884	1267971	1/24/05	LDW-SS57-010		10	Yes		29997
SurfaceSedimentRound1	LDW-SS58	203783	1267841	1/24/05	LDW-SS58-010		10	Yes		29998
SurfaceSedimentRound1	LDW-SS60	203593	1268801	1/19/05	LDW-SS60-010		10	Yes		30000
SurfaceSedimentRound1	LDW-SS63	203294	1269530	1/21/05	LDW-SS63-010		10	Yes		30001
SurfaceSedimentRound1	LDW-SS64	203190	1268974	1/24/05	LDW-SS64-010		9	Yes		30002
SurfaceSedimentRound1	LDW-SS67	202805	1269384	1/21/05	LDW-SS67-010		10	Yes		30003
SurfaceSedimentRound1	LDW-SS70	201999	1268808	1/21/05	LDW-SS70-010		10	Yes		30004
SurfaceSedimentRound1	LDW-SS72	201711	1269161	1/24/05	LDW-SS72-010		10	Yes		30005

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SurfaceSedimentRound1	LDW-SS75	201575	1269266	1/21/05	LDW-SS75-010		10	Yes		30006
SurfaceSedimentRound1	LDW-SS76	201544	1270219	1/20/05	LDW-SS76-010		10	Yes		30007
SurfaceSedimentRound1	LDW-SS79	201243	1269901	1/24/05	LDW-SS79-010		10	Yes		30008
SurfaceSedimentRound1	LDW-SS83	200361	1271225	1/24/05	LDW-SS83-010		10	Yes		30009
SurfaceSedimentRound1	LDW-SS84	200324	1269997	1/19/05	LDW-SS84-010		10	Yes		30010
SurfaceSedimentRound1	LDW-SS87	199617	1271608	1/21/05	LDW-SS87-010		10	Yes		30011
SurfaceSedimentRound1	LDW-SS88	199304	1271865	1/25/05	LDW-SS88-010		10	Yes		30012
SurfaceSedimentRound1	LDW-SS89	199091	1272011	1/19/05	LDW-SS201-010	Duplicate	10	Yes		30052
SurfaceSedimentRound1	LDW-SS89	199091	1272011	1/19/05	LDW-SS89-010		10	Yes		30013
SurfaceSedimentRound1	LDW-SS92	198751	1272437	1/25/05	LDW-SS92-010		10	Yes		30014
SurfaceSedimentRound1	LDW-SS94	198641	1272581	1/21/05	LDW-SS94-010		10	Yes		30015
SurfaceSedimentRound1	LDW-SS96	198348	1272753	1/21/05	LDW-SS96-010		10	Yes		30016
SurfaceSedimentRound1	LDW-SS97	198248	1272542	1/21/05	LDW-SS97-010		10	Yes		30017
SurfaceSedimentRound1	LDW-SS99	197712	1273131	1/19/05	LDW-SS99-010		10	Yes		30018
SurfaceSedimentRound2	LDW-SS100	197513	1273212	3/11/05	LDW-SS100-010		10	Yes		30216
SurfaceSedimentRound2	LDW-SS103	197258	1273559	3/7/05	LDW-SS103-010		10	Yes		30217
SurfaceSedimentRound2	LDW-SS105	196851	1274076	3/8/05	LDW-SS105-010		10	Yes		30218
SurfaceSedimentRound2	LDW-SS106	196614	1274280	3/8/05	LDW-SS106-010		10	Yes		30219
SurfaceSedimentRound2	LDW-SS107	196385	1274619	3/14/05	LDW-SS107-010		10	Yes		30220
SurfaceSedimentRound2	LDW-SS108	196035	1274977	3/10/05	LDW-SS108-010		10	Yes		30221
SurfaceSedimentRound2	LDW-SS111	210209	1266643	3/8/05	LDW-SS111-010		10	Yes		30139
SurfaceSedimentRound2	LDW-SS122	194048	1275903	3/8/05	LDW-SS122-010		10	Yes		30140
SurfaceSedimentRound2	LDW-SS124	193478	1275947	3/15/05	LDW-SS124-010		10	Yes		30141
SurfaceSedimentRound2	LDW-SS131	192701	1276246	3/8/05	LDW-SS131-010		10	Yes		30142
SurfaceSedimentRound2	LDW-SS131	192701	1276246	3/8/05	LDW-SS206-010	Duplicate	10	Yes		30224
SurfaceSedimentRound2	LDW-SS132	192579	1276753	3/9/05	LDW-SS132-010		10	Yes		30143
SurfaceSedimentRound2	LDW-SS133	192323	1276328	3/9/05	LDW-SS133-010		10	Yes		30144
SurfaceSedimentRound2	LDW-SS135	192029	1276335	3/15/05	LDW-SS135-010		10	Yes		30145
SurfaceSedimentRound2	LDW-SS136	191852	1276373	3/15/05	LDW-SS136-010		10	Yes		30146
SurfaceSedimentRound2	LDW-SS137	191786	1276936	3/9/05	LDW-SS137-010		10	Yes		30147
SurfaceSedimentRound2	LDW-SS138	191427	1276907	3/9/05	LDW-SS138-010		10	Yes		30148
SurfaceSedimentRound2	LDW-SS139	191381	1276491	3/9/05	LDW-SS139-010		10	Yes		30149
SurfaceSedimentRound2	LDW-SS140	191156	1276601	3/8/05	LDW-SS140-010		10	Yes		30150
SurfaceSedimentRound2	LDW-SS141	190657	1276573	3/15/05	LDW-SS141-010		10	Yes		30151
SurfaceSedimentRound2	LDW-SS144	190348	1278412	3/15/05	LDW-SS144-010		10	Yes		30152
SurfaceSedimentRound2	LDW-SS145	190195	1278129	3/14/05	LDW-SS145-010		10	Yes		30153
SurfaceSedimentRound2	LDW-SS146	190184	1277766	3/9/05	LDW-SS146-010		10	Yes		30154

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SurfaceSedimentRound2	LDW-SS147	190135	1276847	3/9/05	LDW-SS147-010		10	Yes		30155
SurfaceSedimentRound2	LDW-SS148	189993	1277573	3/9/05	LDW-SS148-010		10	Yes		30156
SurfaceSedimentRound2	LDW-SS149	189959	1277148	3/9/05	LDW-SS149-010		10	Yes		30157
SurfaceSedimentRound2	LDW-SS150	189740	1277445	3/9/05	LDW-SS150-010		10	Yes		30158
SurfaceSedimentRound2	LDW-SS151	189733	1279105	3/15/05	LDW-SS151-010		10	Yes		30159
SurfaceSedimentRound2	LDW-SS152	189494	1279533	3/15/05	LDW-SS152-010		10	Yes		30160
SurfaceSedimentRound2	LDW-SS153	188991	1279742	3/15/05	LDW-SS153-010		10	Yes		30161
SurfaceSedimentRound2	LDW-SS154	187805	1279097	3/15/05	LDW-SS154-010		10	Yes		30162
SurfaceSedimentRound2	LDW-SS155	187293	1278873	3/15/05	LDW-SS155-010		10	Yes		30163
SurfaceSedimentRound2	LDW-SS156	186701	1278652	3/15/05	LDW-SS156-010		10	Yes		30164
SurfaceSedimentRound2	LDW-SS157	194714	1276152	3/16/05	LDW-SS157-010		10	Yes		30165
SurfaceSedimentRound2	LDW-SS158	194704	1276073	3/16/05	LDW-SS158-010		10	Yes		30166
SurfaceSedimentRound2	LDW-SS159	194628	1276191	3/16/05	LDW-SS159-010		10	Yes		30167
SurfaceSedimentRound2	LDW-SS16	209832	1266290	3/8/05	LDW-SS16-010		10	Yes		30168
SurfaceSedimentRound2	LDW-SS19	209162	1266486	3/8/05	LDW-SS19-010		10	Yes		30169
SurfaceSedimentRound2	LDW-SS19	209162	1266486	3/8/05	LDW-SS205-010	Duplicate	10	Yes		30223
SurfaceSedimentRound2	LDW-SS2	211298	1266326	3/16/05	LDW-SS2-010		10	Yes		30170
LDWRI-SurfaceSedimentRound2	LDW-SS21	209139	1266686	3/8/05	LDW-SS21-010		10	No	Collected within 200 ft of Duwamish/Diagonal dredging - exclude because reflects post-remediation conditions in this area	30171
SurfaceSedimentRound2	LDW-SS24	208303	1265896	3/14/05	LDW-SS24-010		10	Yes		30172
LDWRI-SurfaceSedimentRound2	LDW-SS25	208202	1267285	3/10/05	LDW-SS25-010		10	No	Collected within 200 ft of Duwamish/Diagonal dredging - exclude because reflects post-remediation conditions in this area	30173
SurfaceSedimentRound2	LDW-SS29	206822	1266081	3/14/05	LDW-SS29-010		10	Yes		30174
SurfaceSedimentRound2	LDW-SS3	211233	1265845	3/9/05	LDW-SS3-010		10	Yes		30176
SurfaceSedimentRound2	LDW-SS30	206824	1268374	3/8/05	LDW-SS30-010		10	Yes		30175
SurfaceSedimentRound2	LDW-SS34	206482	1266976	3/14/05	LDW-SS34-010		9	Yes		30177
SurfaceSedimentRound2	LDW-SS35	206332	1267932	3/8/05	LDW-SS35-010		10	Yes		30178
SurfaceSedimentRound2	LDW-SS39	205909	1268190	3/11/05	LDW-SS39-010		10	Yes		30179
SurfaceSedimentRound2	LDW-SS41	205455	1267770	3/8/05	LDW-SS41-010		10	Yes		30180
SurfaceSedimentRound2	LDW-SS45	204843	1268062	3/10/05	LDW-SS45-010		10	Yes		30181
SurfaceSedimentRound2	LDW-SS46	204779	1267940	3/10/05	LDW-SS46-010		10	Yes		30182
SurfaceSedimentRound2	LDW-SS47	204710	1267956	3/10/05	LDW-SS47-010		10	Yes		30183
SurfaceSedimentRound2	LDW-SS53	204302	1268070	2/2/05	LDW-SS53-010		10	Yes		30211
SurfaceSedimentRound2	LDW-SS59	203668	1268225	3/14/05	LDW-SS59R2-010		10	Yes		30212

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SurfaceSedimentRound2	LDW-SS6	211197	1267028	3/10/05	LDW-SS6-010		10	Yes		30184
SurfaceSedimentRound2	LDW-SS61	203384	1268883	3/10/05	LDW-SS61-010		10	Yes		30185
SurfaceSedimentRound2	LDW-SS62	203356	1268486	3/9/05	LDW-SS207-010	Duplicate	10	Yes		30225
SurfaceSedimentRound2	LDW-SS62	203356	1268486	3/9/05	LDW-SS62-010		10	Yes		30186
SurfaceSedimentRound2	LDW-SS65	202983	1269038	3/8/05	LDW-SS65-010		10	Yes		30187
SurfaceSedimentRound2	LDW-SS66	202917	1268639	3/9/05	LDW-SS66-010		10	Yes		30188
SurfaceSedimentRound2	LDW-SS68	202359	1268711	3/7/05	LDW-SS68-010		10	Yes		30189
SurfaceSedimentRound2	LDW-SS69b	202059	1269293	3/16/05	LDW-SS69b-010		10	Yes		30190
SurfaceSedimentRound2	LDW-SS7	211052	1266984	3/9/05	LDW-SS7-010		10	Yes		30191
SurfaceSedimentRound2	LDW-SS71	201854	1269542	3/15/05	LDW-SS71-010		10	Yes		30192
SurfaceSedimentRound2	LDW-SS73	201653	1270715	3/7/05	LDW-SS73-010		10	Yes		30193
SurfaceSedimentRound2	LDW-SS74	201594	1269820	3/7/05	LDW-SS74-010		10	Yes		30194
SurfaceSedimentRound2	LDW-SS77	201421	1270688	3/14/05	LDW-SS77-010		10	Yes		30195
SurfaceSedimentRound2	LDW-SS78	201333	1270341	3/7/05	LDW-SS78-010		10	Yes		30196
SurfaceSedimentRound2	LDW-SS8	210831	1266543	3/7/05	LDW-SS8-010		10	Yes		30197
SurfaceSedimentRound2	LDW-SS81	200851	1270430	3/8/05	LDW-SS81-010		10	Yes		30198
SurfaceSedimentRound2	LDW-SS82	200554	1270158	3/7/05	LDW-SS204-010	Duplicate	10	Yes		30222
SurfaceSedimentRound2	LDW-SS82	200554	1270158	3/7/05	LDW-SS82-010		10	Yes		30199
SurfaceSedimentRound2	LDW-SS85	200140	1270595	3/7/05	LDW-SS85-010		10	Yes		30200
SurfaceSedimentRound2	LDW-SS86	199973	1270733	3/10/05	LDW-SS86-010		10	Yes		30201
SurfaceSedimentRound2	LDW-SS9	210631	1265959	3/14/05	LDW-SS9-010		10	Yes		30203
SurfaceSedimentRound2	LDW-SS90	199052	1271623	3/14/05	LDW-SS90-010		10	Yes		30202
SurfaceSedimentRound2	LDW-SS91	198977	1271714	3/7/05	LDW-SS91-010		10	Yes		30204
SurfaceSedimentRound2	LDW-SS93	198681	1271945	3/15/05	LDW-SS93-010		10	Yes		30205
SurfaceSedimentRound2	LDW-SS95	198577	1272117	3/9/05	LDW-SS95-010		10	Yes		30206
SurfaceSedimentRound2	LDW-SS98	197929	1272791	3/15/05	LDW-SS98-010		10	Yes		30207
SurfaceSedimentRound2	LDW-SSB2b	207052	1267397	3/11/05	LDW-SSB2b-010		10	Yes		30208
SurfaceSedimentRound2	LDW-SSB4a	203964	1267960	3/14/05	LDW-SSB4a-010		10	Yes		30209
SurfaceSedimentRound2	LDW-SSB5b	204114	1268661	3/14/05	LDW-SSB5b-010		10	Yes		30210
SurfaceSedimentRound2	LDW-SSB6a	200931	1269737	3/15/05	LDW-SSB6a-010		10	Yes		30135
SurfaceSedimentRound2	LDW-SSB7a	197415	1273384	3/18/05	LDW-SSB7a-010		10	Yes		30136
SurfaceSedimentRound2	LDW-SSB9a	190933	1277047	3/15/05	LDW-SSB9a-010		10	Yes		30137
SurfaceSedimentRound2	LDW-SSC1	210338	1265982	3/15/05	LDW-SSC1-010		10	Yes		30138
NOAA SiteChar	CH0001	192286	1276631	10/20/97	CH01-01		10	Yes		25
NOAA SiteChar	CH0002	191482	1276690	10/9/97	CH01-02		10	Yes		26
NOAA SiteChar	CH0003	191262	1276710	10/9/97	CH01-03		10	Yes		27
NOAA SiteChar	CH0004	190489	1277103	10/20/97	CH01-04		10	Yes		28

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Event Name	Location Name	Northing *	Easting *	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
NOAA SiteChar	CH0005	194120	1276106	10/9/97	CH02-01		10	No	sample inside 1999 USACE dredge - exclude	29
NOAA SiteChar	CH0006	193678	1276291	11/12/97	CH02-02		10	Yes		30
NOAA SiteChar	CH0007	192983	1276389	10/9/97	CH02-03		10	Yes		31
NOAA SiteChar	CH0009	195697	1275667	10/15/97	CH03-01		10	No	sample inside 1999 USACE dredge - exclude	33
NOAA SiteChar	CH0010	195402	1275830	10/15/97	CH03-02		10	No	sample inside 1999 USACE dredge - exclude	34
NOAA SiteChar	CH0011	195146	1275866	10/15/97	CH03-03		10	No	sample inside 1999 USACE dredge - exclude	35
NOAA SiteChar	CH0012	194742	1275998	10/15/97	CH03-04		10	No	sample inside 1999 USACE dredge - exclude	36
NOAA SiteChar	CH0013	197936	1273086	10/15/97	CH04-01		10	Yes		37
NOAA SiteChar	CH0014	197038	1274206	10/10/97	CH04-02		10	Yes		38
NOAA SiteChar	CH0016	196515	1274855	10/10/97	CH04-03		10	Yes		40
NOAA SiteChar	CH0017	196259	1274916	11/13/97	CH04-04		10	No	sample inside 1999 USACE dredge - exclude	41
NOAA SiteChar	CH0018	198382	1272650	10/15/97	CH05-01		10	Yes		42
NOAA SiteChar	CH0019	198235	1272689	10/20/97	CH05-02		10	Yes		43
NOAA SiteChar	CH0020	199239	1271695	10/24/97	CH06-01		10	Yes		44
NOAA SiteChar	CH0021	198904	1272080	10/15/97	CH06-02		10	Yes		45
NOAA SiteChar	CH0022	198681	1272248	10/15/97	CH06-03		10	Yes		46
NOAA SiteChar	CH0023	201244	1269902	10/16/97	CH07-01		10	No	superseded by LDW-SS79, 2 ft away	47
NOAA SiteChar	CH0024	200281	1270645	10/14/97	CH07-02		10	Yes		48
NOAA SiteChar	CH0027	199686	1271263	10/14/97	CH07-03		10	Yes		51
NOAA SiteChar	CH0028	202135	1269112	10/16/97	CH08-01		10	Yes		52
NOAA SiteChar	CH0029	201878	1269218	10/16/97	CH08-02		10	Yes		53
NOAA SiteChar	CH0030	205625	1267908	10/16/97	CH09-01		10	Yes		54
NOAA SiteChar	CH0031	205036	1268189	10/16/97	CH09-02		10	Yes		55
NOAA SiteChar	CH0032	203056	1268673	10/16/97	CH09-03		10	Yes		56
NOAA SiteChar	CH1033	206435	1267546	10/16/97	CH10-01		10	Yes		57
NOAA SiteChar	CH1034	206433	1267611	10/17/97	CH10-02		10	Yes		58
NOAA SiteChar	CH1035	208124	1266998	10/17/97	CH11-01		10	Yes		59
NOAA SiteChar	CH1036	207537	1267164	10/17/97	CH11-02		10	Yes		60
NOAA SiteChar	CH1037	207131	1267378	10/17/97	CH11-03		10	Yes		61
NOAA SiteChar	CH1038	208856	1266861	10/24/97	CH12-01		10	Yes		62
NOAA SiteChar	CH1039	208602	1266802	10/17/97	CH12-02		10	Yes		63
NOAA SiteChar	CH1040	210693	1266226	10/24/97	CH13-01		10	Yes		64
NOAA SiteChar	CH1041	210142	1266396	10/17/97	CH13-02		10	Yes		65

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Event Name	Location Name	Northing ^b	Easting ^a	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
NOAA SiteChar	CH1043	209665	1266527	10/17/97	CH13-03		10	Yes		67
NOAA SiteChar	EIT044	187209	1278821	9/30/97	EIT01-01		10	Yes		68
NOAA SiteChar	EIT045	186919	1278724	9/30/97	EIT01-02		10	Yes		69
NOAA SiteChar	EIT046	189833	1278982	10/14/97	EIT02-01		10	Yes		70
NOAA SiteChar	EIT047	189681	1279308	10/14/97	EIT02-02		10	Yes		71
NOAA SiteChar	EIT048	189454	1279733	10/14/97	EIT02-04		10	Yes		72
NOAA SiteChar	EIT049	191368	1276914	11/13/97	EIT03-01		10	Yes		73
NOAA SiteChar	EIT051	191221	1276969	9/29/97	EIT03-02		10	Yes		75
NOAA SiteChar	EIT052	190854	1277069	11/13/97	EIT03-03		10	Yes		76
NOAA SiteChar	EIT053	190631	1277316	9/29/97	EIT03-04		10	Yes		77
NOAA SiteChar	EIT054	191624	1276870	11/13/97	EIT04-01		10	Yes		78
NOAA SiteChar	EIT055	191624	1276882	11/13/97	EIT04-02		10	Yes		79
NOAA SiteChar	EIT056	191624	1276898	10/16/97	EIT04-03		10	Yes		80
NOAA SiteChar	EIT057	193528	1276502	9/29/97	EIT05-01		10	Yes		81
NOAA SiteChar	EIT059	192868	1276712	9/26/97	EIT05-02		10	Yes		83
NOAA SiteChar	EIT060	194555	1276225	9/26/97	EIT06-01		10	Yes		84
NOAA SiteChar	EIT061	194079	1276332	9/29/97	EIT06-02		10	No	superseded by LDW-SS121, 4 ft away	85
NOAA SiteChar	EIT062	193786	1276400	9/29/97	EIT06-03		10	Yes		86
NOAA SiteChar	EIT063	199094	1273541	9/26/97	EIT07-01		10	Yes		87
NOAA SiteChar	EIT064	198877	1273438	11/12/97	EIT07-02		10	Yes		88
NOAA SiteChar	EIT066	198735	1273275	9/26/97	EIT07-03		10	Yes		90
NOAA SiteChar	EIT067	198484	1273052	9/26/97	EIT07-04		10	Yes		91
NOAA SiteChar	EIT068	198483	1273072	11/12/97	EIT07-05		10	Yes		92
NOAA SiteChar	EIT069	199460	1273478	11/12/97	EIT08-01		10	Yes		93
NOAA SiteChar	EIT070	199350	1273538	9/26/97	EIT08-02		10	Yes		94
NOAA SiteChar	EIT072	199203	1273560	9/26/97	EIT08-03		10	Yes		96
NOAA SiteChar	EIT074	199309	1271869	11/3/97	EIT09-01		10	No	superseded by LDW-SS88, 7 ft away	98
NOAA SiteChar	EIT075	199123	1272039	11/3/97	EIT09-02		10	Yes		99
NOAA SiteChar	EIT076	198935	1272340	10/17/97	EIT09-03		10	Yes		100
NOAA SiteChar	EIT078	198749	1272526	10/16/97	EIT09-04		10	Yes		102
NOAA SiteChar	EIT079	203367	1269593	11/4/97	EIT10-01		10	Yes		103
NOAA SiteChar	EIT081	202534	1269272	10/17/97	EIT10-02		10	Yes		105
NOAA SiteChar	EIT082	204114	1268706	11/12/97	EIT11-01		10	Yes		106
NOAA SiteChar	EIT083	203894	1268760	9/19/97	EIT11-02		10	Yes		107
NOAA SiteChar	EIT084	203600	1268828	9/19/97	EIT11-03		10	Yes		108
NOAA SiteChar	EIT085	205952	1267993	9/19/97	EIT12-01		10	Yes		109
NOAA SiteChar	EIT086	205911	1268227	11/12/97	EIT12-02		10	Yes		110

Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
NOAA SiteChar	EIT087	208264	1267273	9/18/97	EIT13-01		10	Yes		111
NOAA SiteChar	EIT088	207860	1267405	9/18/97	EIT13-02		10	Yes		112
NOAA SiteChar	EIT089	207382	1267610	9/18/97	EIT13-03		10	Yes		113
NOAA SiteChar	EIT092	209141	1267195	9/18/97	EIT14-01		10	Yes		116
NOAA SiteChar	EIT094	208592	1267296	9/19/97	EIT14-02		10	Yes		118
NOAA SiteChar	EIT095	186409	1278678	9/30/97	EITUPRVR1		10	Yes		121
NOAA SiteChar	EIT096	185963	1279110	9/30/97	EITUPRVR2		10	Yes		119
NOAA SiteChar	EST098	189271	1279737	10/14/97	EST01-01		10	Yes		122
NOAA SiteChar	EST099	188394	1279828	10/14/97	EST01-02		10	Yes		123
NOAA SiteChar	EST101	187853	1279509	10/14/97	EST01-03		10	Yes		125
NOAA SiteChar	EST102	187673	1279369	10/15/97	EST01-04		10	Yes		126
NOAA SiteChar	EST103	189532	1279446	10/14/97	EST02-02		10	Yes		127
NOAA SiteChar	EST104	189345	1279681	10/15/97	EST02-03		10	Yes		128
NOAA SiteChar	EST105	190337	1277413	11/12/97	EST03-01		10	Yes		129
NOAA SiteChar	EST106	190401	1277888	10/23/97	EST03-02		10	Yes		130
NOAA SiteChar	EST107	190407	1277571	11/12/97	EST03-03		10	Yes		131
NOAA SiteChar	EST108	189799	1278829	10/14/97	EST03-04		10	Yes		132
NOAA SiteChar	EST110	190480	1277581	11/12/97	EST03-05		10	Yes		134
NOAA SiteChar	EST111	191001	1277022	9/30/97	EST04-01		10	Yes		135
NOAA SiteChar	EST112	190783	1277006	10/8/97	EST04-02		10	Yes		136
NOAA SiteChar	EST113	190559	1277245	9/30/97	EST04-03		10	Yes		137
NOAA SiteChar	EST114	190446	1277436	9/30/97	EST04-04		10	Yes		138
NOAA SiteChar	EST115	190411	1277382	11/12/97	EST04-05		10	Yes		139
NOAA SiteChar	EST116	191699	1276768	9/30/97	EST05-01		10	Yes		140
NOAA SiteChar	EST117	191515	1276835	11/12/97	EST05-02		10	Yes		141
NOAA SiteChar	EST118	192322	1276640	9/26/97	EST06-01		10	Yes		142
NOAA SiteChar	EST120	192283	1276759	9/26/97	EST06-02		10	Yes		144
NOAA SiteChar	EST121	192211	1276733	9/29/97	EST06-03		10	Yes		145
NOAA SiteChar	EST122	192100	1276796	10/21/97	EST06-04		10	Yes		146
NOAA SiteChar	EST123	192100	1276813	11/12/97	EST06-05		10	Yes		147
NOAA SiteChar	EST124	191956	1276699	9/30/97	EST06-06		10	Yes		148
NOAA SiteChar	EST125	191736	1276765	9/29/97	EST06-07		10	Yes		149
NOAA SiteChar	EST127	191917	1276822	9/30/97	EST06-08		10	Yes		151
NOAA SiteChar	EST129	192927	1277430	9/29/97	EST07-01		10	Yes		153
NOAA SiteChar	EST130	192894	1277260	9/29/97	EST07-02		10	Yes		154
NOAA SiteChar	EST131	192823	1277148	9/29/97	EST07-03		10	Yes		155
NOAA SiteChar	EST132	192714	1277129	9/29/97	EST07-04		10	Yes		156

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EventName	LocationName	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	RationaleForExclusion	Sample Number
NOAA SiteChar	EST133	192607	1276979	9/29/97	EST07-05		10	Yes		157
NOAA SiteChar	EST134	192610	1276810	10/21/97	EST07-06		10	Yes		158
NOAA SiteChar	EST135	192760	1276632	11/12/97	EST07-07		10	No	superseded by LDW-B8b, 3 ft away	159
NOAA SiteChar	EST136	192431	1276634	9/26/97	EST07-08		10	Yes		160
NOAA SiteChar	EST137	193311	1276428	10/15/97	EST08-01		10	Yes		161
NOAA SiteChar	EST138	193055	1276464	10/15/97	EST08-02		10	Yes		162
NOAA SiteChar	EST140	192908	1276523	9/26/97	EST08-03		10	Yes		164
NOAA SiteChar	EST141	194484	1276129	9/25/97	EST09-01		10	Yes		165
NOAA SiteChar	EST142	194375	1276127	10/24/97	EST09-02		10	Yes		166
NOAA SiteChar	EST143	194226	1276248	9/25/97	EST09-03		10	Yes		167
NOAA SiteChar	EST144	193933	1276329	9/25/97	EST09-04		10	No	superseded by LDW-SS123, 1 ft away	168
NOAA SiteChar	EST145	193714	1276358	9/26/97	EST09-05		10	Yes		169
NOAA SiteChar	EST146	193531	1276350	9/26/97	EST09-06		10	Yes		170
NOAA SiteChar	EST147	194851	1276046	9/25/97	EST10-01		10	Yes		171
NOAA SiteChar	EST148	194740	1276105	11/12/97	EST10-02		10	Yes		172
NOAA SiteChar	EST149	195769	1275730	11/13/97	EST11-01		10	Yes		175
NOAA SiteChar	EST150	195658	1275806	10/21/97	EST11-02		10	Yes		176
NOAA SiteChar	EST152	195584	1275858	9/24/97	EST11-03		10	No	superseded by Jorgenson 2004 location SD-309-S - exclude	178
NOAA SiteChar	EST154	195474	1275881	9/24/97	EST11-04		10	No	superseded by Jorgenson 2004 location SD-334-S - exclude	180
NOAA SiteChar	EST155	195327	1275931	9/24/97	EST11-05		10	Yes		181
NOAA SiteChar	EST156	195217	1275937	9/24/97	EST11-06		10	Yes		182
NOAA SiteChar	EST157	195181	1275957	9/24/97	EST11-07		10	Yes		183
NOAA SiteChar	EST158	195107	1275964	9/24/97	EST11-08		10	Yes		184
NOAA SiteChar	EST159	195107	1275985	9/24/97	EST11-09		10	Yes		185
NOAA SiteChar	EST160	195071	1275951	9/25/97	EST11-10		10	Yes		173
NOAA SiteChar	EST161	195070	1276005	11/13/97	EST11-11		10	Yes		186
NOAA SiteChar	EST162	194851	1276025	9/25/97	EST11-12		10	Yes		174
NOAA SiteChar	EST163	199131	1273517	9/22/97	EST12-01		10	Yes		187
NOAA SiteChar	EST164	199096	1273467	9/22/97	EST12-02		10	Yes		189
NOAA SiteChar	EST165	199062	1273339	9/22/97	EST12-03		10	Yes		190
NOAA SiteChar	EST168	198954	1273263	9/22/97	EST12-04		10	Yes		193
NOAA SiteChar	EST169	198880	1273306	9/22/97	EST12-05		10	Yes		194
NOAA SiteChar	EST170	198737	1273151	9/30/97	EST12-06		10	Yes		195
NOAA SiteChar	EST171	198520	1273028	10/7/97	EST12-07		10	Yes		196
NOAA SiteChar	EST172	198599	1272720	9/23/97	EST12-08		10	Yes		197
NOAA SiteChar	EST173	198561	1272806	9/22/97	EST12-09		10	Yes		198

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
NOAA SiteChar	EST175	198377	1272881	9/22/97	EST12-10		10	Yes		188
NOAA SiteChar	EST176	199162	1271928	10/22/97	EST13-01		10	Yes		200
NOAA SiteChar	EST177	199348	1271759	10/22/97	EST13-02		10	Yes		201
NOAA SiteChar	EST178	199421	1271744	10/7/97	EST13-03		10	Yes		202
NOAA SiteChar	EST179	199087	1272046	10/6/97	EST13-04		10	Yes		203
NOAA SiteChar	EST180	198751	1272435	10/6/97	EST13-05		10	No	superseded by LDW-SS92, 2 ft away	204
NOAA SiteChar	EST181	198641	1272441	10/7/97	EST13-06		10	Yes		205
NOAA SiteChar	EST182	200239	1270940	11/13/97	EST14-01		10	Yes		206
NOAA SiteChar	EST183	199944	1271095	10/20/97	EST14-02		10	Yes		207
NOAA SiteChar	EST184	199868	1271267	10/22/97	EST14-03		10	Yes		208
NOAA SiteChar	EST185	199719	1271404	10/20/97	EST14-04		10	Yes		209
NOAA SiteChar	EST186	199497	1271568	10/20/97	EST14-05		10	Yes		210
NOAA SiteChar	EST187	201166	1270184	10/10/97	EST15-01		10	Yes		211
NOAA SiteChar	EST188	200943	1270386	10/17/97	EST15-02		10	Yes		212
NOAA SiteChar	EST189	200464	1270661	10/17/97	EST15-03		10	Yes		213
NOAA SiteChar	EST190	201464	1269894	10/16/97	EST16-01		10	Yes		214
NOAA SiteChar	EST191	201495	1270125	10/22/97	EST16-02		10	Yes		215
NOAA SiteChar	EST192	201459	1270132	10/16/97	EST16-03		10	Yes		216
NOAA SiteChar	EST193	201560	1270558	10/10/97	EST16-04		10	Yes		217
NOAA SiteChar	EST194	201484	1270709	10/14/97	EST16-05		10	Yes		218
NOAA SiteChar	EST195	202023	1269246	10/14/97	EST17-01		10	Yes		219
NOAA SiteChar	EST196	201838	1269391	10/22/97	EST17-02		10	Yes		220
NOAA SiteChar	EST197	203150	1269466	10/7/97	EST18-01		10	Yes		221
NOAA SiteChar	EST198	202862	1269254	11/13/97	EST18-02		10	Yes		222
NOAA SiteChar	EST199	202827	1269188	10/7/97	EST18-03		10	Yes		223
NOAA SiteChar	EST200	202645	1269172	10/6/97	EST18-04		10	Yes		224
NOAA SiteChar	EST202	205988	1267994	9/17/97	EST19-01		10	No	sample inside Lehigh NW 2004 dredge - exclude	226
NOAA SiteChar	EST203	205620	1268143	9/17/97	EST19-02		10	Yes		227
NOAA SiteChar	EST204	205145	1268191	10/23/97	EST19-03		10	Yes		228
NOAA SiteChar	EST206	204556	1268480	9/16/97	EST19-04		10	Yes		230
NOAA SiteChar	EST208	203640	1268689	9/19/97	EST19-05		10	Yes		232
NOAA SiteChar	EST209	203492	1268752	10/7/97	EST19-06		10	Yes		233
NOAA SiteChar	EST211	206822	1268265	9/17/97	EST20-01		10	Yes		235
NOAA SiteChar	EST212	206794	1267841	9/17/97	EST20-02		10	Yes		236
NOAA SiteChar	EST213	206645	1267982	9/17/97	EST20-03		10	Yes		237
NOAA SiteChar	EST214	206606	1268113	10/22/97	EST20-04		10	Yes		238

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
NOAA SiteChar	EST215	206283	1267851	10/14/97	EST20-05		10	Yes		239
NOAA SiteChar	EST216	206563	1268425	9/17/97	EST20-06		10	Yes		240
NOAA SiteChar	EST217	207973	1267263	10/14/97	EST21-01		10	Yes		241
NOAA SiteChar	EST218	207641	1267421	9/16/97	EST21-02		10	Yes		242
NOAA SiteChar	EST219	207310	1267542	9/17/97	EST21-03		10	No	superseded by LDW-SS27, 5 ft away	243
NOAA SiteChar	EST220	206942	1267716	9/17/97	EST21-04		10	Yes		244
NOAA SiteChar	EST221	209367	1266846	9/18/97	EST22-01		10	Yes		245
NOAA SiteChar	EST222	209074	1266922	9/18/97	EST22-02		10	Yes		246
NOAA SiteChar	EST223	208816	1267020	9/18/97	EST22-03		10	Yes		247
NOAA SiteChar	EST224	208523	1267113	10/14/97	EST22-04		10	Yes		248
NOAA SiteChar	EST227	211131	1266189	10/24/97	EST23-01		10	Yes		251
NOAA SiteChar	EST228	211083	1266793	10/6/97	EST23-02		10	Yes		252
NOAA SiteChar	EST229	210611	1266661	9/19/97	EST23-03		10	Yes		253
NOAA SiteChar	EST230	210790	1266857	9/19/97	EST23-04		10	Yes		254
NOAA SiteChar	EST231	209769	1266796	9/19/97	EST23-05		10	Yes		255
NOAA SiteChar	EST232	210277	1266938	9/19/97	EST23-06		10	Yes		256
NOAA SiteChar	EST233	186411	1278566	10/15/97	ESTUPRVR		10	Yes		257
NOAA SiteChar	WES234	195845	1275567	9/24/97	WEST01		10	Yes		316
NOAA SiteChar	WES235	196141	1275362	9/24/97	WEST02		10	Yes		319
NOAA SiteChar	WES236	196291	1275130	9/23/97	WEST03		10	Yes		322
NOAA SiteChar	WES237	196513	1274957	9/23/97	WEST04		10	Yes		327
NOAA SiteChar	WES238	196852	1274412	9/23/97	WEST05		10	Yes		331
NOAA SiteChar	WES239	197263	1273918	9/23/97	WEST06		10	Yes		334
NOAA SiteChar	WES240	197671	1273543	9/23/97	WEST07		10	Yes		337
NOAA SiteChar	WES241	198045	1273093	9/23/97	WEST08		10	Yes		341
NOAA SiteChar	WIT242	189090	1279693	9/30/97	WIT01-01		10	Yes		258
NOAA SiteChar	WIT243	188359	1279720	9/30/97	WIT01-02		10	Yes		259
NOAA SiteChar	WIT244	188360	1279691	9/30/97	WIT01-03		10	Yes		260
NOAA SiteChar	WIT245	188036	1279475	9/30/97	WIT01-04		10	Yes		261
NOAA SiteChar	WIT246	187716	1279032	9/30/97	WIT01-05		10	Yes		262
NOAA SiteChar	WIT247	189573	1279199	10/1/97	WIT02-01		10	Yes		263
NOAA SiteChar	WIT248	189422	1279468	10/2/97	WIT02-02		10	Yes		264
NOAA SiteChar	WIT249	190240	1276744	10/1/97	WIT03-01		10	Yes		265
NOAA SiteChar	WIT250	190052	1277070	10/1/97	WIT03-02		10	Yes		266
NOAA SiteChar	WIT251	190189	1277522	9/29/97	WIT03-03		10	Yes		267
NOAA SiteChar	WIT252	190081	1277466	9/29/97	WIT03-04		10	Yes		268
NOAA SiteChar	WIT254	190106	1278044	10/17/97	WIT03-05		10	Yes		270

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
NOAA SiteChar	WST331	196820	1274185	10/3/97	WST10-07		10	Yes		355
NOAA SiteChar	WST332	196559	1274460	10/3/97	WST10-08		10	Yes		356
NOAA SiteChar	WST333	198348	1272526	11/13/97	WST11-01		10	Yes		357
NOAA SiteChar	WST334	198274	1272545	10/24/97	WST11-02		10	Yes		358
NOAA SiteChar	WST335	198123	1272826	10/24/97	WST11-03		10	Yes		359
NOAA SiteChar	WST337	198684	1272137	10/22/97	WST12-01		10	Yes		361
NOAA SiteChar	WST338	198497	1272373	10/22/97	WST12-02		10	Yes		362
NOAA SiteChar	WST339	199466	1271325	10/10/97	WST13-01		10	Yes		363
NOAA SiteChar	WST340	199130	1271693	11/13/97	WST13-02		10	Yes		364
NOAA SiteChar	WST341	198722	1272031	10/21/97	WST13-03		10	No	inside Hurlen-Boyer 1998 dredge - exclude	365
NOAA SiteChar	WST342	199913	1270839	10/23/97	WST14-01		10	No	superseded by EPA SI location DR141 - exclude	366
NOAA SiteChar	WST344	199541	1271195	10/10/97	WST14-02		10	No	inside Hurlen-Boyer 1998 dredge - exclude	368
NOAA SiteChar	WST345	200769	1269983	10/9/97	WST15-01		10	Yes		369
NOAA SiteChar	WST346	200658	1270059	10/9/97	WST15-02		10	Yes		370
NOAA SiteChar	WST347	200432	1270392	10/6/97	WST15-03		10	Yes		371
NOAA SiteChar	WST348	201917	1269071	10/16/97	WST16-01		10	Yes		372
NOAA SiteChar	WST349	201474	1269367	10/23/97	WST16-02		10	Yes		373
NOAA SiteChar	WST350	202325	1268745	10/22/97	WST17-01		10	Yes		374
NOAA SiteChar	WST351	202029	1268966	10/6/97	WST17-02		10	Yes		375
NOAA SiteChar	WST352	205922	1267647	9/16/97	WST18-01		10	Yes		376
NOAA SiteChar	WST353	205407	1267867	9/16/97	WST18-02		10	Yes		377
NOAA SiteChar	WST354	204562	1268143	9/16/97	WST18-03		10	Yes		378
NOAA SiteChar	WST356	203242	1268516	10/10/97	WST18-04		10	Yes		380
NOAA SiteChar	WST357	202837	1268698	10/10/97	WST18-05		10	Yes		381
NOAA SiteChar	WST358	208644	1266494	11/12/97	WST19-01		10	Yes		382
NOAA SiteChar	WST359	208389	1266497	9/18/97	WST19-02		10	Yes		383
NOAA SiteChar	WST362	208126	1266896	9/15/97	WST19-03		10	Yes		386
NOAA SiteChar	WST363	207690	1266780	9/15/97	WST19-04		10	Yes		387
NOAA SiteChar	WST364	207282	1267114	9/15/97	WST19-05		10	Yes		388
NOAA SiteChar	WST365	206399	1267496	9/18/97	WST19-06		10	Yes		389
NOAA SiteChar	WST366	206449	1266830	9/15/97	WST20-01		10	Yes		390
NOAA SiteChar	WST367	206409	1266994	9/19/97	WST20-02		10	No	superseded by EPA SI location DR048 - exclude	391
NOAA SiteChar	WST368	206328	1267391	9/16/97	WST20-03		10	Yes		392
NOAA SiteChar	WST370	208759	1266217	9/18/97	WST21-01		10	Yes		394

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Cut Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Number
NOAA SiteChar	WST371	208394	1266255	9/18/97	WST21-02		10	Yes		395
NOAA SiteChar	WST372	208251	1266079	10/15/97	WST21-03		10	Yes		396
NOAA SiteChar	WST373	210513	1266103	10/14/97	WST22-01		10	Yes		397
NOAA SiteChar	WST374	209595	1266406	10/14/97	WST22-02		10	Yes		398
Norfolk-clean up1	NFK001	190277	1278459	8/18/94	L4321-1		10	No	inside 1999 Norfolk dredge area - exclude	1355
Norfolk-clean up1	NFK002	190237	1278506	8/18/94	L4321-2		10	No	superseded by Ecology - Norfolk locations 2,3 and 4 - exclude	1364
Norfolk-clean up1	NFK003	190192	1278559	8/18/94	L4321-3		10	Yes		1372
Norfolk-clean up1	NFK004	190165	1278594	8/18/94	L4321-4		10	No	inside 1999 Norfolk dredge area - exclude	1373
Norfolk-clean up1	NFK004A	190172	1278622	8/22/94	L4384-1		10	Yes		14477
Norfolk-clean up1	NFK005	190121	1278643	8/18/94	L4321-5		10	Yes		1374
Norfolk-clean up1	NFK006	190048	1278712	8/18/94	L4321-6		10	Yes		1375
Norfolk-clean up1	NFK007	190249	1278415	8/22/94	L4321-7		10	No	inside 1999 Norfolk dredge area - exclude	1376
Norfolk-clean up1	NFK008	190203	1278497	8/17/94	L4321-8		10	No	inside 1999 Norfolk dredge area - exclude	1377
Norfolk-clean up1	NFK009	190154	1278564	8/17/94	L4321-9		10	No	inside 1999 Norfolk dredge area - exclude	1378
Norfolk-clean up1	NFK009	190154	1278564	8/31/94	L4321-25		15	No	inside 1999 Norfolk dredge area - exclude	1368
Norfolk-clean up1	NFK010	190024	1278678	8/17/94	L4321-11		10	Yes		1356
Norfolk-clean up1	NFK011	189956	1278764	8/22/94	L4321-12		10	Yes		1357
Norfolk-clean up1	NFK012	190158	1278480	8/18/94	L4321-13		10	No	inside 1999 Norfolk dredge area - exclude	1358
Norfolk-clean up1	NFK013	190089	1278542	8/19/94	L4321-14		10	No	inside 1999 Norfolk dredge area - exclude	1359
Norfolk-clean up1	NFK014	190015	1278609	8/19/94	L4321-15		10	Yes		1360
Norfolk-clean up1	NFK014	190015	1278609	8/19/94	L4321-16	Duplicate	10	No	inside 1999 Norfolk dredge area - exclude	14478
Norfolk-clean up1	NFK015	190151	1278399	8/22/94	L4321-17		10	Yes		1361
Norfolk-clean up1	NFK016	190091	1278473	8/22/94	L4321-18		10	Yes		1362
Norfolk-clean up1	NFK017	190013	1278528	8/22/94	L4321-19		10	Yes		1363
Norfolk-clean up1	NFK018	189962	1278608	8/22/94	L4321-20		10	Yes		1365
Norfolk-clean up1	NFKUPRV1	188123	1279624	8/19/94	L4321-23		10	Yes		1366
Norfolk-clean up1	NFKUPRV2	188093	1279519	8/19/94	L4321-24		10	Yes		1367
Norfolk-clean up2	NFK201	190294	1278424	8/23/95	L6725-1		10	No	inside 1999 Norfolk dredge area - exclude	1379
Norfolk-clean up2	NFK202	190219	1278524	8/23/95	L6725-2		10	No	inside 1999 Norfolk dredge area - exclude	1388
Norfolk-clean up2	NFK203	190129	1278619	8/23/95	L6725-3		10	No	inside 1999 Norfolk dredge area - exclude	1397
Norfolk-clean up2	NFK204	190078	1278664	8/23/95	L6725-4		10	Yes		1401
Norfolk-clean up2	NFK205	190234	1278457	8/28/95	L6725-5		10	No	inside 1999 Norfolk dredge area - exclude	1402
Norfolk-clean up2	NFK206	190051	1278639	8/28/95	L6725-6		10	Yes		1403
Norfolk-clean up2	NFK206	190051	1278639	8/28/95	L6725-7	Duplicate	10	Yes		14479
Norfolk-clean up3	NFK201	190294	1278424	12/5/95	L7462-16		10	No	inside 1999 Norfolk dredge area - exclude	1419
Norfolk-clean up3	NFK301	190441	1278179	12/6/95	L7462-1		10	Yes		1412

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Norfolk-cleanup3	NFK302	190397	1278141	12/6/95	L7462-2		10	Yes		1420
Norfolk-cleanup3	NFK303	190430	1278211	12/6/95	L7462-3		10	Yes		1421
Norfolk-cleanup3	NFK304	190415	1278219	12/6/95	L7462-4		10	Yes		1422
Norfolk-cleanup3	NFK305	190396	1278260	12/6/95	L7462-5		10	Yes		1423
Norfolk-cleanup3	NFK306	190380	1278254	12/6/95	L7462-6		10	Yes		1424
Norfolk-cleanup3	NFK307	190354	1278241	12/6/95	L7462-7		10	Yes		1425
Norfolk-cleanup3	NFK308	190362	1278298	12/6/95	L7462-18	Duplicate	10	Yes		14475
Norfolk-cleanup3	NFK308	190362	1278298	12/6/95	L7462-8		10	Yes		1426
Norfolk-cleanup3	NFK309	190354	1278346	12/5/95	L7462-9		10	Yes		1427
Norfolk-cleanup3	NFK310	190336	1278336	12/5/95	L7462-10		10	Yes		1413
Norfolk-cleanup3	NFK311	190299	1278327	12/5/95	L7462-11		10	Yes		1414
Norfolk-cleanup3	NFK312	190314	1278384	12/5/95	L7462-12		10	No	inside 1999 Norfolk dredge area - exclude	1415
Norfolk-cleanup3	NFK313	190309	1278445	12/5/95	L7462-13		10	Yes		1416
Norfolk-cleanup3	NFK314	190257	1278407	12/6/95	L7462-14		10	No	inside 1999 Norfolk dredge area - exclude	1417
Norfolk-cleanup3	NFK315	190186	1278524	12/5/95	L7462-15		10	No	inside 1999 Norfolk dredge area - exclude	1418
Norfolk-monit1	NFK501	190150	1278591	4/23/99	L15421-1		10	No	superseded by April-01 sample from this location	1466
Norfolk-monit1	NFK502	190154	1278549	4/23/99	L15421-2		10	Yes	greater than 10 ft from 2004 sample at this location - include in baseline	1465
Norfolk-monit1	NFK503	190194	1278520	4/23/99	L15421-3		10	Yes	greater than 10 ft from 2004 sample at this location - include in baseline	1464
Norfolk-monit1	NFK504	190083	1278626	4/23/99	L15421-4		10	No	use 2004 monitoring data	1463
Norfolk-monit2a	NFK501	190160	1278569	10/8/99	L16628-1		2	No	only 0-2 cm depth, 10 cm depth preferred	1474
Norfolk-monit2a	NFK501	190160	1278569	10/8/99	L16628-2		10	Yes	greater than 10 ft from 2004 sample at this location - include in baseline	1473
Norfolk-monit2a	NFK502	190164	1278512	10/8/99	L16628-3		2	No	only 0-2 cm depth, 10 cm depth preferred	1472
Norfolk-monit2a	NFK502	190164	1278512	10/8/99	L16628-4		10	No	use 2004 monitoring data	1471
Norfolk-monit2a	NFK503	190181	1278543	10/8/99	L16628-5		2	No	only 0-2 cm depth, 10 cm depth preferred	1470
Norfolk-monit2a	NFK503	190181	1278543	10/8/99	L16628-6		10	No	superseded by April-02 sample from this location	1469
Norfolk-monit2a	NFK504	190086	1278619	10/8/99	L16628-7		2	No	only 0-2 cm depth, 10 cm depth preferred	1468
Norfolk-monit2a	NFK504	190086	1278619	10/8/99	L16628-8		10	Yes	greater than 10 ft from 2004 sample at this location - include in baseline	1467
Norfolk-monit2b	NFK501	190166	1278593	2/8/00	L17315-1		2	No	use 2004 monitoring data	1475
Norfolk-monit2b	NFK503	190197	1278548	2/8/00	L17315-3		2	No	use 2004 monitoring data	1477

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Norfolk-monit2b	NFK505	190224	1278515	2/8/00	L17315-5		2	Yes	monitoring event, this location only sampled once, so included in baseline	1476
Norfolk-monit2b	NFK506	190257	1278543	2/10/00	L17311-1		10	No	superseded by Ecology - Norfolk locations 5 and 7 - exclude	12074
Norfolk-monit2b	NFK507	190245	1278531	2/10/00	L17311-2		10	Yes	monitoring event, this location only sampled once, so included in baseline	12075
Norfolk-monit2b	NFK508	190245	1278541	2/10/00	L17311-3		10	Yes	monitoring event, this location only sampled once, so included in baseline	12076
Norfolk-monit3	NFK501	190142	1278573	4/6/00	L17647-1		2	No	only 0-2 cm depth, 10 cm depth preferred	1485
Norfolk-monit3	NFK501	190142	1278573	4/6/00	L17647-2		10	Yes	greater than 10 ft from 2004 sample at this location - include in baseline	1484
Norfolk-monit3	NFK502	190165	1278511	4/6/00	L17647-3		2	No	only 0-2 cm depth, 10 cm depth preferred	1483
Norfolk-monit3	NFK502	190165	1278511	4/6/00	L17647-4		10	No	use 2004 monitoring data	1482
Norfolk-monit3	NFK503	190179	1278543	4/6/00	L17647-5		2	No	only 0-2 cm depth, 10 cm depth preferred	1481
Norfolk-monit3	NFK503	190179	1278543	4/6/00	L17647-6		10	No	superseded by April-02 sample from this location	1480
Norfolk-monit3	NFK504	190076	1278628	4/6/00	L17647-7		2	No	only 0-2 cm depth, 10 cm depth preferred	1479
Norfolk-monit3	NFK504	190076	1278628	4/6/00	L17647-8		10	No	use 2004 monitoring data	1478
Norfolk-monit4	NFK501	190153	1278583	4/24/01	L20703-1		2	No	only 0-2 cm depth, 10 cm depth preferred	8458
Norfolk-monit4	NFK501	190153	1278583	4/24/01	L20703-2		10	Yes	greater than 10 ft from 2004 sample at this location - include in baseline	8459
Norfolk-monit4	NFK502	190156	1278512	4/24/01	L20703-3		2	No	only 0-2 cm depth, 10 cm depth preferred	8460
Norfolk-monit4	NFK502	190156	1278512	4/24/01	L20703-4		10	No	use 2004 monitoring data	8461
Norfolk-monit4	NFK503	190177	1278549	4/24/01	L20703-5		2	No	only 0-2 cm depth, 10 cm depth preferred	8462
Norfolk-monit4	NFK503	190177	1278549	4/24/01	L20703-6		10	No	superseded by April-02 sample from this location	8463
Norfolk-monit4	NFK504	190075	1278625	4/24/01	L20703-7		2	No	only 0-2 cm depth, 10 cm depth preferred	8464
Norfolk-monit4	NFK504	190075	1278625	4/24/01	L20703-8		10	No	use 2004 monitoring data	8465
Norfolk-monit5	NFK501	190165	1278589	4/30/02	L23995-1		2	No	only 0-2 cm depth, 10 cm depth preferred	18461
Norfolk-monit5	NFK501	190165	1278589	4/30/02	L23995-2		10	No	use 2004 monitoring data	18462
Norfolk-monit5	NFK502	190156	1278513	4/30/02	L23995-3		2	No	only 0-2 cm depth, 10 cm depth preferred	18463
Norfolk-monit5	NFK502	190156	1278513	4/30/02	L23995-4		10	No	use 2004 monitoring data	18464
Norfolk-monit5	NFK503	190177	1278545	4/30/02	L23995-5		2	No	only 0-2 cm depth, 10 cm depth preferred	18465
Norfolk-monit5	NFK503	190177	1278545	4/30/02	L23995-6		10	Yes	greater than 10 ft from 2004 sample at this location - include in baseline	18466
Norfolk-monit5	NFK504	190074	1278622	4/30/02	L23995-7		2	No	only 0-2 cm depth, 10 cm depth preferred	18467
Norfolk-monit5	NFK504	190074	1278622	4/30/02	L23995-8		10	No	use 2004 monitoring data	18468
Norfolk-monit6	NFK501	190167	1278586	4/23/03	L28052-1		2	No	only 0-2 cm depth, 10 cm depth preferred	18744
Norfolk-monit6	NFK501	190167	1278586	4/23/03	L28052-2		10	No	use 2004 monitoring data	18745
Norfolk-monit6	NFK502	190156	1278511	4/23/03	L28052-3		2	No	only 0-2 cm depth, 10 cm depth preferred	18746
Norfolk-monit6	NFK502	190156	1278511	4/23/03	L28052-4		10	No	use 2004 monitoring data	18747

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Event Name	Location Name	Northing *	Easting *	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Norfolk-monit6	NFK503	190197	1278543	4/23/03	L28052-5		2	No	only 0-2 cm depth, 10 cm depth preferred	18748
Norfolk-monit6	NFK503	190197	1278543	4/23/03	L28052-6		10	No	use 2004 monitoring data	18749
Norfolk-monit6	NFK504	190076	1278622	4/23/03	L28052-7		2	No	only 0-2 cm depth, 10 cm depth preferred	18750
Norfolk-monit6	NFK504	190076	1278622	4/23/03	L28052-8		10	No	use 2004 monitoring data	18751
Norfolk-monit7	NFK501	190169	1278589	4/5/04	L31635-1		2	No	only 0-2 cm depth, 10 cm depth preferred	18752
Norfolk-monit7	NFK501	190169	1278589	4/5/04	L31635-2		10	Yes		18753
Norfolk-monit7	NFK502	190156	1278515	4/5/04	L31635-3		2	No	only 0-2 cm depth, 10 cm depth preferred	18754
Norfolk-monit7	NFK502	190156	1278515	4/5/04	L31635-4		10	Yes		18755
Norfolk-monit7	NFK503	190194	1278543	4/5/04	L31635-5		2	No	only 0-2 cm depth, 10 cm depth preferred	18756
Norfolk-monit7	NFK503	190194	1278543	4/5/04	L31635-6		10	Yes		18757
Norfolk-monit7	NFK504	190079	1278627	4/5/04	L31635-7		2	No	only 0-2 cm depth, 10 cm depth preferred	18758
Norfolk-monit7	NFK504	190079	1278627	4/5/04	L31635-8		10	Yes		18759
Plant 2 RFI-1	SD-01001	197632	1273710	8/7/95	SD-01001-0000		9	Yes		460
Plant 2 RFI-1	SD-01001	197632	1273710	8/7/95	SD-01001-1000	Duplicate	9	Yes		461
Plant 2 RFI-1	SD-01003	197544	1273800	8/7/95	SD-01003-0000		9	Yes		462
Plant 2 RFI-1	SD-04101	196628	1274936	3/21/95	SD-04101-0000		9	Yes		463
Plant 2 RFI-1	SD-04102	196638	1274925	3/21/95	SD-04102-0000		9	Yes		464
Plant 2 RFI-1	SD-04103	196637	1274948	3/21/95	SD-04103-0000		9	Yes		465
Plant 2 RFI-1	SD-04104	196637	1274944	3/21/95	SD-04104-0000		9	Yes		466
Plant 2 RFI-1	SD-04105	196627	1274934	3/21/95	SD-04105-0000		9	Yes		467
Plant 2 RFI-1	SD-04107	196776	1274781	4/17/95	SD-04107-0000		9	Yes		468
Plant 2 RFI-1	SD-04108	196785	1274789	4/17/95	SD-04108-0000		9	Yes		471
Plant 2 RFI-1	SD-04109	196774	1274802	4/17/95	SD-04109-0000		9	Yes		472
Plant 2 RFI-1	SD-04110	196610	1274987	4/17/95	SD-04110-0000		9	Yes		473
Plant 2 RFI-1	SD-04111	196595	1274973	4/17/95	SD-04111-0000		9	Yes		474
Plant 2 RFI-1	SD-04112	196601	1274956	4/17/95	SD-04112-0000		9	Yes		475
Plant 2 RFI-1	SD-04113	196611	1274944	4/17/95	SD-04113-0000		9	Yes		476
Plant 2 RFI-1	SD-04115	196308	1275295	6/27/95	SD-04115-0000		9	Yes		477
Plant 2 RFI-1	SD-04116	196312	1275288	6/27/95	SD-04116-0000		9	Yes		478
Plant 2 RFI-1	SD-04117	196319	1275280	6/27/95	SD-04117-0000		9	Yes		479
Plant 2 RFI-1	SD-04121	196714	1274857	6/14/95	SD-04121-0000		9	Yes		480
Plant 2 RFI-1	SD-04122	196699	1274872	6/14/95	SD-04122-0000		9	Yes		481
Plant 2 RFI-1	SD-04401	196103	1275431	6/15/95	SD-04401-0000		9	Yes		482
Plant 2 RFI-1	SD-04402	196122	1275447	6/15/95	SD-04402-0000		9	Yes		483
Plant 2 RFI-1	SD-04403	196138	1275429	6/14/95	SD-04403-0000		9	Yes		485
Plant 2 RFI-1	SD-04404	196157	1275446	6/14/95	SD-04404-0000		9	Yes		486
Plant 2 RFI-1	SD-04405	196176	1275462	6/14/95	SD-04405-0000		9	Yes		487

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Plant 2 RFI-1	SD-04406	196133	1275451	6/15/95	SD-04406-0000		9	Yes		489
Plant 2 RFI-1	SD-04407	196143	1275436	6/27/95	SD-04407-0000		9	Yes		490
Plant 2 RFI-1	SD-04408	196148	1275425	6/27/95	SD-04408-0000		9	Yes		491
Plant 2 RFI-1	SD-04409	196167	1275415	6/27/95	SD-04409-0000		9	Yes		492
Plant 2 RFI-1	SD-04901	196122	1275522	2/16/95	SD-04901-0000		9	Yes		493
Plant 2 RFI-1	SD-04902	196125	1275518	2/16/95	SD-04902-0000		9	Yes		496
Plant 2 RFI-1	SD-04903	196114	1275517	2/16/95	SD-04903-0000		9	Yes		499
Plant 2 RFI-1	SD-04904	196123	1275487	2/17/95	SD-04904-0000		9	Yes		502
Plant 2 RFI-1	SD-04905	196120	1275476	2/17/95	SD-04905-0000		9	Yes		506
Plant 2 RFI-1	SD-04906	196130	1275515	2/17/95	SD-04906-0000		9	Yes		508
Plant 2 RFI-1	SD-04907	196105	1275507	2/16/95	SD-04907-0000		9	Yes		509
Plant 2 RFI-1	SD-04908	196114	1275497	2/16/95	SD-04908-0000		9	Yes		510
Plant 2 RFI-1	SD-04909	196139	1275473	2/17/95	SD-04909-0000		9	Yes		511
Plant 2 RFI-1	SD-04910	196149	1275468	2/17/95	SD-04910-0000		9	Yes		512
Plant 2 RFI-1	SD-04911	196131	1275524	2/16/95	SD-04911-0000		9	Yes		513
Plant 2 RFI-1	SD-04912	196155	1275474	2/17/95	SD-04912-0000		9	Yes		514
Plant 2 RFI-1	SD-04913	196161	1275479	2/17/95	SD-04913-0000		9	Yes		515
Plant 2 RFI-1	SD-04914	196168	1275485	2/17/95	SD-04914-0000		9	Yes		516
Plant 2 RFI-1	SD-04915	196120	1275475	2/17/95	SD-04915-0000		9	Yes		517
Plant 2 RFI-1	SD-04917	196119	1275511	2/16/95	SD-04917-0000		9	Yes		518
Plant 2 RFI-1	SD-04918	196133	1275481	2/16/95	SD-04918-0000		9	Yes		519
Plant 2 RFI-1	SD-04920	196070	1275468	6/15/95	SD-04920-0000		9	Yes		520
Plant 2 RFI-1	SD-04921	196086	1275449	6/15/95	SD-04921-0000		9	Yes		522
Plant 2 RFI-1	SD-04922	196105	1275466	6/15/95	SD-04922-0000		9	Yes		523
Plant 2 RFI-1	SD-SWY01	196078	1275434	6/13/95	SD-SWY01-0000		9	Yes		581
Plant 2 RFI-1	SD-SWY02	196006	1275515	6/13/95	SD-SWY02-0000		9	Yes		582
Plant 2 RFI-1	SD-SWY03	195898	1275623	6/13/95	SD-SWY03-0000		9	Yes		583
Plant 2 RFI-1	SD-SWY04	195868	1275653	6/13/95	SD-SWY04-0000		9	Yes		584
Plant 2 RFI-1	SD-SWY05	195786	1275757	6/12/95	SD-SWY05-0000		9	Yes		585
Plant 2 RFI-1	SD-SWY06	195764	1275777	6/13/95	SD-SWY06-0000		9	Yes		586
Plant 2 RFI-1	SD-SWY07	195628	1275855	6/13/95	SD-SWY07-0000		9	No	superseded by Plant2-Transformer Phase1 loc. SD-SWY17. Exclude	587
Plant 2 RFI-1	SD-SWY08	196044	1275472	6/14/95	SD-SWY08-0000		9	Yes		588
Plant 2 RFI-1	SD-SWY09	195990	1275529	6/14/95	SD-SWY09-0000		9	Yes		589
Plant 2 RFI-1	SD-SWY10	195918	1275597	6/14/95	SD-SWY10-0000		9	Yes		590
Plant 2 RFI-1	SD-SWY11	195886	1275633	6/14/95	SD-SWY11-0000		9	Yes		591
Plant 2 RFI-1	SD-SWY12	195857	1275661	6/14/95	SD-SWY12-0000		9	Yes		592

Event Name	Location Name	Northing	Eastng	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Plant 2 RFI-1	SD-SWY13	195820	1275686	6/14/95	SD-SWY13-0000		9	Yes		593
Plant 2 RFI-1	SS-SWY01	195832	1275711	3/24/95	SS-SWY01-0000		9	Yes		679
Plant 2 RFI-1	SS-SWY02	195870	1275670	3/24/95	SS-SWY02-0000		9	Yes		680
Plant 2 RFI-1	SS-SWY03	195901	1275635	3/24/95	SS-SWY03-0000		9	Yes		681
Plant 2 RFI-1	SS-SWY04	196041	1275486	4/19/95	SS-SWY04		9	Yes		682
Plant 2 RFI-1	SS-SWY05	195993	1275542	4/19/95	SS-SWY05		9	Yes		683
Plant 2 RFI-1	SS-SWY06	195932	1275602	4/19/95	SS-SWY06		9	Yes		684
Plant 2 RFI-2a	SD-DUW01	197790	1273458	10/25/95	SD-DUW01-0000		9	Yes		524
Plant 2 RFI-2a	SD-DUW02	197579	1273671	10/24/95	SD-DUW02-0000		9	Yes		525
Plant 2 RFI-2a	SD-DUW03	197458	1273814	10/24/95	SD-DUW03-0000		9	Yes		526
Plant 2 RFI-2a	SD-DUW04	197320	1273965	10/24/95	SD-DUW04-0000		9	Yes		527
Plant 2 RFI-2a	SD-DUW05	197190	1274133	10/24/95	SD-DUW05-0000		9	Yes		528
Plant 2 RFI-2a	SD-DUW06	197053	1274267	10/23/95	SD-DUW06-0000		9	Yes		529
Plant 2 RFI-2a	SD-DUW07	196913	1274415	10/23/95	SD-DUW07-0000		9	Yes		530
Plant 2 RFI-2a	SD-DUW08	196780	1274558	10/23/95	SD-DUW08-0000		9	Yes		531
Plant 2 RFI-2a	SD-DUW09	196687	1274713	10/24/95	SD-DUW09-0000		9	Yes		532
Plant 2 RFI-2a	SD-DUW10	196541	1274889	10/24/95	SD-DUW10-0000		9	Yes		533
Plant 2 RFI-2a	SD-DUW11	196411	1275036	10/24/95	SD-DUW11-0000		9	Yes		534
Plant 2 RFI-2a	SD-DUW12	196280	1275191	10/24/95	SD-DUW12-0000		9	Yes		535
Plant 2 RFI-2a	SD-DUW13	196152	1275334	10/23/95	SD-DUW13-0000		9	Yes		536
Plant 2 RFI-2a	SD-DUW14	195988	1275465	10/23/95	SD-DUW14-0000		9	Yes		537
Plant 2 RFI-2a	SD-DUW15	195843	1275629	10/23/95	SD-DUW15-0000		9	Yes		538
Plant 2 RFI-2a	SD-DUW16	195727	1275767	10/23/95	SD-DUW16-0000		9	Yes		539
Plant 2 RFI-2a	SD-DUW17	197824	1273513	10/25/95	SD-DUW17-0000		9	Yes		540
Plant 2 RFI-2a	SD-DUW18	197661	1273742	10/25/95	SD-DUW18-0000		9	Yes		541
Plant 2 RFI-2a	SD-DUW19	197508	1273873	10/25/95	SD-DUW19-0000		9	Yes		542
Plant 2 RFI-2a	SD-DUW20	197372	1274028	10/25/95	SD-DUW20-0000		9	Yes		543
Plant 2 RFI-2a	SD-DUW21	197259	1274154	10/25/95	SD-DUW21-0000		9	Yes		544
Plant 2 RFI-2a	SD-DUW22	197069	1274359	10/25/95	SD-DUW22-0000		9	Yes		545
Plant 2 RFI-2a	SD-DUW23	196971	1274425	10/23/95	SD-DUW23-0000		9	Yes		546
Plant 2 RFI-2a	SD-DUW24	196845	1274610	10/23/95	SD-DUW24-0000		9	Yes		547
Plant 2 RFI-2a	SD-DUW25	196726	1274777	10/25/95	SD-DUW25-0000		9	Yes		548
Plant 2 RFI-2a	SD-DUW26	196447	1275071	10/24/95	SD-DUW26-0000		9	Yes		549
Plant 2 RFI-2a	SD-DUW27	196324	1275222	10/24/95	SD-DUW27-0000		9	Yes		550
Plant 2 RFI-2a	SD-DUW28	196195	1275381	10/24/95	SD-DUW28-0000		9	Yes		551
Plant 2 RFI-2a	SD-DUW28	196195	1275381	10/24/95	SD-DUW28-1000	Duplicate	9	Yes		552
Plant 2 RFI-2a	SD-DUW29	197654	1273598	10/25/95	SD-DUW29-0000		9	Yes		553

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Plant 2 RFI-2a	SD-DUW30	197707	1273660	10/25/95	SD-DUW30-0000		9	Yes		554
Plant 2 RFI-2a	SD-DUW31	197521	1273752	10/25/95	SD-DUW31-0000		9	Yes		555
Plant 2 RFI-2a	SD-DUW31	197521	1273752	10/25/95	SD-DUW31-1000	Duplicate	9	Yes		556
Plant 2 RFI-2a	SD-DUW32	197566	1273808	10/25/95	SD-DUW32-0000		9	Yes		557
Plant 2 RFI-2a	SD-DUW33	196736	1274755	10/25/95	SD-DUW33-0000		9	Yes		558
Plant 2 RFI-2a	SD-DUW34	196727	1274747	10/24/95	SD-DUW34-0000		9	Yes		559
Plant 2 RFI-2a	SD-DUW34	196727	1274747	10/24/95	SD-DUW34-1000	Duplicate	9	Yes		560
Plant 2 RFI-2a	SD-DUW35	196693	1274816	10/24/95	SD-DUW35-0000		9	Yes		561
Plant 2 RFI-2a	SD-DUW36	196655	1274814	10/24/95	SD-DUW36-0000		9	Yes		562
Plant 2 RFI-2a	SD-DUW37	196606	1274805	10/24/95	SD-DUW37-0000		9	Yes		563
Plant 2 RFI-2a	SD-DUW38	196645	1274857	10/24/95	SD-DUW38-0000		9	Yes		564
Plant 2 RFI-2a	SD-DUW39	196621	1274888	10/24/95	SD-DUW39-0000		9	Yes		565
Plant 2 RFI-2a	SD-DUW40	196583	1274892	10/24/95	SD-DUW40-0000		9	Yes		566
Plant 2 RFI-2a	SD-DUW41	196563	1274925	10/24/95	SD-DUW41-0000		9	Yes		567
Plant 2 RFI-2a	SD-DUW42	196534	1274982	10/23/95	SD-DUW42-0000		9	Yes		568
Plant 2 RFI-2a	SD-DUW43	196476	1274958	10/24/95	SD-DUW43-0000		9	Yes		569
Plant 2 RFI-2a	SD-DUW44	196503	1274999	10/23/95	SD-DUW44-0000		9	Yes		570
Plant 2 RFI-2a	SD-DUW45	196341	1275107	10/24/95	SD-DUW45-0000		9	Yes		571
Plant 2 RFI-2a	SD-DUW46	196403	1275147	10/23/95	SD-DUW46-0000		9	Yes		572
Plant 2 RFI-2a	SD-DUW47	196271	1275242	10/23/95	SD-DUW47-0000		9	Yes		573
Plant 2 RFI-2a	SD-DUW48	196227	1275264	10/24/95	SD-DUW48-0000		9	Yes		574
Plant 2 RFI-2a	SD-DUW49	196245	1275302	10/23/95	SD-DUW49-0000		9	Yes		575
Plant 2 RFI-2a	SD-DUW50	196117	1275377	10/23/95	SD-DUW50-0000		9	Yes		576
Plant 2 RFI-2a	SD-DUW51	196066	1275413	10/23/95	SD-DUW51-0000		9	Yes		577
Plant 2 RFI-2a	SD-DUW52	195921	1275531	10/23/95	SD-DUW52-0000		9	Yes		578
Plant 2 RFI-2a	SD-DUW53	195768	1275691	10/23/95	SD-DUW53-0000		9	Yes		579
Plant 2 RFI-2a	SD-DUW54	197019	1274417	10/23/95	SD-DUW54-0000		9	Yes		580
Plant 2 RFI-2b	SD-DUW55	197735	1273424	4/2/96	SD2B-DUW55-0000		9	Yes		638
Plant 2 RFI-2b	SD-DUW56	197555	1273644	4/2/96	SD2B-DUW56-0000		9	Yes		639
Plant 2 RFI-2b	SD-DUW57	197365	1273852	4/2/96	SD2B-DUW57-0000		9	Yes		640
Plant 2 RFI-2b	SD-DUW58	197164	1274077	4/2/96	SD2B-DUW58-0000		9	Yes		641
Plant 2 RFI-2b	SD-DUW59	196998	1274259	4/2/96	SD2B-DUW59-0000		9	Yes		642
Plant 2 RFI-2b	SD-DUW60	196820	1274448	4/2/96	SD2B-DUW60-0000		9	Yes		643
Plant 2 RFI-2b	SD-DUW61	196654	1274683	4/2/96	SD2B-DUW61-0000		9	Yes		644
Plant 2 RFI-2b	SD-DUW62	196558	1274784	4/2/96	SD2B-DUW62-0000		9	Yes		645
Plant 2 RFI-2b	SD-DUW63	196483	1274887	4/2/96	SD2B-DUW63-0000		9	Yes		646
Plant 2 RFI-2b	SD-DUW64	196413	1274973	4/2/96	SD2B-DUW64-0000		9	Yes		647

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Plant 2 RFI-2b	SD-DUW65	196347	1275043	4/2/96	SD2B-DUW65-0000		9	Yes		648
Plant 2 RFI-2b	SD-DUW66	196273	1275122	4/2/96	SD2B-DUW66-0000		9	Yes		649
Plant 2 RFI-2b	SD-DUW67	196209	1275191	4/3/96	SD2B-DUW67-0000		9	Yes		650
Plant 2 RFI-2b	SD-DUW68	196157	1275257	4/3/96	SD2B-DUW68-0000		9	Yes		651
Plant 2 RFI-2b	SD-DUW69	196072	1275333	4/3/96	SD2B-DUW69-0000		9	Yes		652
Plant 2 RFI-2b	SD-DUW69	196072	1275333	4/3/96	SD2B-DUW69-1000	Duplicate	9	Yes		653
Plant 2 RFI-2b	SD-DUW70	195999	1275405	4/3/96	SD2B-DUW70-0000		9	Yes		654
Plant 2 RFI-2b	SD-DUW71	195907	1275498	4/3/96	SD2B-DUW71-0000		9	Yes		655
Plant 2 RFI-2b	SD-DUW72	195805	1275603	4/3/96	SD2B-DUW72-0000		9	Yes		656
Plant 2 RFI-2b	SD-DUW73	195681	1275742	4/3/96	SD2B-DUW73-0000		9	Yes		657
Plant 2 RFI-2b	SD-DUW74	197682	1273370	4/2/96	SD2B-DUW74-0000		9	Yes		658
Plant 2 RFI-2b	SD-DUW75	197487	1273586	4/2/96	SD2B-DUW75-0000		9	Yes		659
Plant 2 RFI-2b	SD-DUW76	197298	1273792	4/2/96	SD2B-DUW76-0000		9	Yes		660
Plant 2 RFI-2b	SD-DUW77	196921	1274179	4/3/96	SD2B-DUW77-0000		9	Yes		661
Plant 2 RFI-2b	SD-DUW78	196542	1274688	4/3/96	SD2B-DUW78-0000		9	Yes		662
Plant 2 RFI-2b	SD-DUW79	196451	1274770	4/3/96	SD2B-DUW79-0000		9	Yes		663
Plant 2 RFI-2b	SD-DUW80	196273	1274973	4/3/96	SD2B-DUW80-0000		9	Yes		664
Plant 2 RFI-2b	SD-DUW81	196132	1275125	4/3/96	SD2B-DUW81-0000		9	Yes		665
Plant 2 RFI-2b	SD-DUW81	196132	1275125	4/3/96	SD2B-DUW81-1000	Duplicate	9	Yes		666
Plant 2 RFI-2b	SD-DUW82	196008	1275272	4/3/96	SD2B-DUW82-0000		9	Yes		667
Plant 2 RFI-2b	SD-DUW83	195679	1275624	4/3/96	SD2B-DUW83-0000		9	No	sample inside 1999 USACE dredge - exclude	668
Plant 2 RFI-2b	SD-DUW84	197934	1273297	4/3/96	SD2B-DUW84-0000		9	Yes		669
Plant 2 RFI-2b	SD-DUW85	198025	1273157	4/3/96	SD2B-DUW85-0000		9	Yes		670
Plant 2 RFI-2b	SD-DUW86	198160	1273028	4/3/96	SD2B-DUW86-0000		9	Yes		671
Plant 2 RFI-2b	SD-DUW87	198292	1272897	4/3/96	SD2B-DUW87-0000		9	Yes		672
Plant 2 RFI-2b	SD-DUW88	197993	1273019	4/2/96	SD2B-DUW88-0000		9	Yes		673
Plant 2 RFI-2b	SD-DUW89	195705	1275816	4/4/96	SD2B-DUW89-0000		9	Yes		674
Plant 2 RFI-2b	SD-DUW90	195533	1275877	4/4/96	SD2B-DUW90-0000		9	No	superseded by Jorgenson August 2004 loc SD-343-S - exclude	675
Plant 2 RFI-2b	SD-DUW91	195445	1275923	4/2/96	SD2B-DUW91-0000		9	Yes		676
Plant 2 RFI-2b	SD-DUW92	195387	1275932	4/2/96	SD2B-DUW92-0000		9	No	superseded by Jorgenson August 2004 loc SD-320-S - exclude	677
Plant 2 RFI-2b	SD-DUW93	195222	1275971	4/2/96	SD2B-DUW93-0000		9	Yes		678
Plant 2-TransformerPhase1	SD-DUW161	195741	1275760	8/20/03	DUW161-0000		15	Yes	top section of a core sample - include	18959
Plant 2-TransformerPhase1	SD-SWY14	195793	1275770	9/9/03	SWY14		5	Yes		18974
Plant 2-TransformerPhase1	SD-SWY15	195739	1275795	9/9/03	SWY15		5	Yes		18975
Plant 2-TransformerPhase1	SD-SWY16	195685	1275837	9/9/03	SWY16		5	Yes		18976

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Plant 2-TransformerPhase1	SD-SWY17	195628	1275862	9/9/03	SWY17		5	Yes		18977
Plant 2-TransformerPhase1	SD-SWY19	195718	1275816	9/12/03	SWY19		5	Yes		18978
PSAMP/NOAA98	203	208455	1266636	6/22/98	203		2	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1997
PSAMP/NOAA98	204	208272	1267209	6/22/98	204		2	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1998
PSAMP/NOAA98	205	202467	1269112	6/23/98	205		2	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1999
Rhone-Poulenc RFI-1	A11-01	192748	1276772	3/3/94	RPL-A11-01-01		15	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1462
Rhone-Poulenc RFI-1	A11-02	192817	1276678	3/3/94	RPL-A11-02-01		15	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1460
Rhone-Poulenc RFI-1	A11-03	192906	1276719	3/3/94	RPL-A11-03-01		15	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1458
Rhone-Poulenc RFI-1	A11-03	192906	1276719	3/3/94	RPL-A11-08-01	Duplicate	15	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1449
Rhone-Poulenc RFI-1	A11-04	193038	1276583	3/3/94	RPL-A11-04-01		15	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1447
Rhone-Poulenc RFI-1	A11-05	193145	1276637	3/3/94	RPL-A11-05-01		15	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1455
Rhone-Poulenc RFI-1	A11-06	193383	1276536	3/3/94	RPL-A11-06-01		15	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1453
Rhone-Poulenc RFI-1	A11-07	193521	1276514	3/3/94	RPL-A11-07-01		15	No	not acceptable for all phase 2 uses - insufficient QA/QC available - exclude	1451
Rhone-Poulenc RFI-2	A11-01	192748	1276772	8/18/94	RPL-A11-01-02		2	Yes		1461
Rhone-Poulenc RFI-2	A11-02	192817	1276678	8/18/94	RPL-A11-02-02		2	Yes		1459
Rhone-Poulenc RFI-2	A11-03	192906	1276719	8/18/94	RPL-A11-03-02		2	Yes		1457
Rhone-Poulenc RFI-2	A11-04	193038	1276583	8/18/94	RPL-A11-04-02		2	Yes		1456
Rhone-Poulenc RFI-2	A11-05	193145	1276637	8/18/94	RPL-A11-05-02		2	No	superseded by LDW-SS126, 2 ft away	1454
Rhone-Poulenc RFI-2	A11-05	193145	1276637	8/18/94	RPL-A11-10-02	Duplicate	2	No	superseded by LDW-SS126, 2 ft away	1448
Rhone-Poulenc RFI-2	A11-06	193383	1276536	8/18/94	RPL-A11-06-02		2	Yes		1452
Rhone-Poulenc RFI-2	A11-07	193521	1276514	8/18/94	RPL-A11-07-02		2	Yes		1450
Rhone-Poulenc RFI-3	04-intsed-1	192951	1277219	7/1/96	04-intsed-1		10	Yes		18395
Rhone-Poulenc RFI-3	04-intsed-2	192971	1277238	7/1/96	04-intsed-2		10	Yes		18396
Rhone-Poulenc RFI-3	04-intsed-3	192953	1277194	7/1/96	04-intsed-3		10	Yes		18397
Rhone-Poulenc RFI-3	05-intsed-1	192857	1277031	7/1/96	05-intsed-1		10	Yes		18398
Rhone-Poulenc RFI-3	05-intsed-2	192876	1277048	7/1/96	05-intsed-2		10	Yes		18399
Rhone-Poulenc RFI-3	05-intsed-3	192861	1277009	7/1/96	05-intsed-3		10	Yes		18400
Rhone-Poulenc RFI-3	06-intsed-1	193267	1276679	7/1/96	06-intsed-1		10	Yes		18401
Rhone-Poulenc RFI-3	06-intsed-2	193293	1276681	7/1/96	06-intsed-2		10	No	superseded by RhonePoulenc2004 loc. SH-04 - exclude	18402

Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Rhone-Poulenc RFI-3	07-intsed-1	193466	1276645	7/1/96	07-intsed-1		10	No	superseded by RhonePoulenc2004 loc. SH-02 - exclude	18403
Rhone-Poulenc RFI-3	07-intsed-2	193490	1276640	7/1/96	07-intsed-2		10	Yes		18404
Rhone-Poulenc RFI-3	23-intsed-1	193049	1277411	7/1/96	23-intsed-1		10	Yes		18405
Rhone-Poulenc RFI-3	23-intsed-2	193069	1277463	7/1/96	23-intsed-2		10	Yes		18406
Rhone-Poulenc RFI-3	23-intsed-3	193022	1277360	7/1/96	23-intsed-3		10	Yes		18407
Rhone-Poulenc RFI-3	KC-intsed-1	193021	1277520	7/1/96	KC-intsed-1		10	Yes		18458
Rhone-Poulenc RFI-3	KC-intsed-2	193007	1277542	7/1/96	KC-intsed-2		10	Yes		18459
Rhone-Poulenc RFI-3	KC-intsed-3	193049	1277521	7/1/96	KC-intsed-3		10	Yes		18460
RhonePoulenc2004	SB-1	192933	1277485	8/25/04	Upper SB-01		10	Yes		37873
RhonePoulenc2004	SB-1	192933	1277485	8/25/04	Upper SB-15		10	Yes		37859
RhonePoulenc2004	SB-11	192835	1276515	8/25/04	Upper SB-11		10	Yes		37881
RhonePoulenc2004	SB-12	193172	1276488	8/25/04	Upper SB-12		10	Yes		37841
RhonePoulenc2004	SB-13	193642	1276396	8/25/04	Upper SB-13		10	Yes		37843
RhonePoulenc2004	SB-17	192982	1277440	8/25/04	Upper SB-17		10	Yes		37844
RhonePoulenc2004	SB-2	192646	1277003	8/25/04	Upper SB-02		10	Yes		37874
RhonePoulenc2004	SB-3	192973	1277422	8/24/04	Upper SB-03		10	Yes		37875
RhonePoulenc2004	SB-4	192933	1277315	8/24/04	Upper SB-04		10	Yes		37876
RhonePoulenc2004	SB-5	192892	1277209	8/24/04	Upper SB-05		10	Yes		37877
RhonePoulenc2004	SB-6	192857	1277116	8/24/04	Upper SB-06		10	Yes		37878
RhonePoulenc2004	SB-7	192774	1276950	8/26/04	Upper SB-07		10	Yes		37879
RhonePoulenc2004	SB-8	192749	1276869	8/26/04	Upper SB-08		10	Yes		37880
RhonePoulenc2004	SH-01	193525	1276626	8/24/04	Upper SH-01		10	Yes		37848
RhonePoulenc2004	SH-01	193525	1276626	8/24/04	Upper SH-13		10	Yes		37864
RhonePoulenc2004	SH-01	193525	1276626	8/24/04	Upper SH-16		10	Yes		37862
RhonePoulenc2004	SH-02	193476	1276644	8/24/04	Upper SH-02		10	Yes		37849
RhonePoulenc2004	SH-03	193427	1276647	8/24/04	Upper SH-03		10	Yes		37850
RhonePoulenc2004	SH-04	193285	1276680	8/24/04	Upper SH-04		10	Yes		37851
RhonePoulenc2004	SH-05	193156	1276691	8/25/04	Upper SH-05		10	Yes		37852
RhonePoulenc2004	SH-06	192921	1276761	8/25/04	Upper SH-06		10	Yes		37853
RhonePoulenc2004	SH-07	192891	1276783	8/25/04	Upper SH-07		10	Yes		37854
RhonePoulenc2004	SH-08	192834	1276796	8/25/04	Upper SH-08		10	Yes		37855
RhonePoulenc2004	SH-09	192833	1276766	8/25/04	Upper SH-09		10	Yes		37856
Seaboard-Ph2	SD-1	208064	1266009	3/28/96	SD-1		10	Yes		1487
Seaboard-Ph2	SD-10	208431	1266213	3/28/96	SD-10		10	Yes		1496
Seaboard-Ph2	SD-11	208268	1266165	3/28/96	SD-11		10	Yes		1497
Seaboard-Ph2	SD-12	208125	1266141	3/28/96	SD-12		10	Yes		1498

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included in Baseline?	Rationale For Exclusion	Sample Num
Seaboard-Ph2	SD-13	207933	1266128	3/28/96	SD-13		10	Yes		1499
Seaboard-Ph2	SD-14	207716	1266085	3/28/96	SD-14		10	Yes		1500
Seaboard-Ph2	SD-15	207498	1266063	3/28/96	SD-15		10	Yes		1501
Seaboard-Ph2	SD-16	208559	1265960	3/28/96	SD-16		10	Yes		1502
Seaboard-Ph2	SD-17	208723	1266135	3/28/96	SD-17		10	Yes		1503
Seaboard-Ph2	SD-18	208508	1265960	3/28/96	SD-18		10	Yes		1504
Seaboard-Ph2	SD-19	208556	1265930	3/28/96	SD-19		10	Yes		1505
Seaboard-Ph2	SD-2	208271	1266041	3/28/96	SD-2		10	Yes		1488
Seaboard-Ph2	SD-20	208582	1265926	3/28/96	SD-20		10	Yes		1506
Seaboard-Ph2	SD-3	208472	1266093	3/28/96	SD-3		10	Yes		1489
Seaboard-Ph2	SD-4	208619	1266172	3/28/96	SD-4		10	Yes		1490
Seaboard-Ph2	SD-5	208711	1266288	3/28/96	SD-5		10	Yes		1491
Seaboard-Ph2	SD-6	208849	1266352	3/28/96	SD-6		10	Yes		1492
Seaboard-Ph2	SD-7	208782	1266474	3/28/96	SD-7		10	Yes		1493
Seaboard-Ph2	SD-8	208659	1266382	3/28/96	SD-8		10	Yes		1494
Seaboard-Ph2	SD-9	208544	1266274	3/28/96	SD-9		10	Yes		1495
Slip4-EarlyAction	IC01	198897	1273409	4/5/04	IC01		10	Yes		19180
Slip4-EarlyAction	SG01	199468	1273464	4/7/04	SG01		10	Yes		19175
Slip4-EarlyAction	SG02	199433	1273513	4/7/04	SG02		10	Yes		19176
Slip4-EarlyAction	SG03	199347	1273488	4/7/04	SG03		10	Yes		19177
Slip4-EarlyAction	SG04	199287	1273417	4/7/04	SG04		10	Yes		19178
Slip4-EarlyAction	SG05	199275	1273489	4/7/04	SG05		10	Yes		19179
Slip4-EarlyAction	SG06	199271	1273539	4/7/04	SG06		10	Yes		19232
Slip4-EarlyAction	SG06	199271	1273539	4/7/04	SG40	Duplicate	10	Yes		19258
Slip4-EarlyAction	SG06	199271	1273539	4/7/04	SG41	Replicate	10	Yes		19259
Slip4-EarlyAction	SG07	199159	1273393	4/7/04	SG07		10	Yes		19233
Slip4-EarlyAction	SG08	199136	1273490	4/7/04	SG08		10	Yes		19234
Slip4-EarlyAction	SG09	199043	1273330	4/8/04	SG09		10	Yes		19235
Slip4-EarlyAction	SG10	199031	1273411	4/8/04	SG10		10	Yes		19236
Slip4-EarlyAction	SG11	198962	1273304	4/8/04	SG11		10	Yes		19237
Slip4-EarlyAction	SG11	198962	1273304	4/8/04	SG42	Duplicate	10	Yes		19260
Slip4-EarlyAction	SG11	198962	1273304	4/8/04	SG43	Replicate	10	Yes		19261
Slip4-EarlyAction	SG12	198964	1273376	4/8/04	SG12		10	Yes		19238
Slip4-EarlyAction	SG13	198975	1273458	4/8/04	SG13		10	Yes		19239
Slip4-EarlyAction	SG14	198883	1273260	4/8/04	SG14		10	Yes		19240
Slip4-EarlyAction	SG15	198901	1273354	4/8/04	SG15		10	Yes		19241
Slip4-EarlyAction	SG16	198833	1273198	4/8/04	SG16		10	Yes		19242

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Event Name	Location Name	Northing	Easting	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included-in Baseline?	Rationale For Exclusion	Sample Num
Slip4-EarlyAction	SG17	198787	1273292	4/8/04	SG17		10	Yes		19243
Slip4-EarlyAction	SG18	198766	1273122	4/8/04	SG18		10	Yes		19244
Slip4-EarlyAction	SG19	198732	1273228	4/8/04	SG19		10	Yes		19245
Slip4-EarlyAction	SG20	198705	1273055	4/8/04	SG20		10	Yes		19246
Slip4-EarlyAction	SG21	198642	1272980	4/8/04	SG21		10	Yes		19247
Slip4-EarlyAction	SG22	198632	1273066	4/8/04	SG22		10	Yes		19248
Slip4-EarlyAction	SG23	198594	1273111	4/9/04	SG23		10	Yes		19249
Slip4-EarlyAction	SG24	198601	1272812	4/9/04	SG24		10	Yes		19250
Slip4-EarlyAction	SG25	198540	1272885	4/9/04	SG25		10	Yes		19251
Slip4-EarlyAction	SG26	198491	1272969	4/9/04	SG26		10	Yes		19252
Slip4-EarlyAction	SG27	198536	1272752	4/9/04	SG27		10	Yes		19253
Slip4-EarlyAction	SG28	198437	1272934	4/9/04	SG28		10	Yes		19254
Slip4-EarlyAction	SG29	198419	1272858	4/9/04	SG29		10	Yes		19255
T117BoundaryDefinition	T117-SE-07-G	195833	1275232	12/8/03	T117-SE07-SG		10	Yes		14497
T117BoundaryDefinition	T117-SE-08-G	195795	1275145	12/8/03	T117-SE08-SG		10	Yes		14498
T117BoundaryDefinition	T117-SE-10-G	195778	1275215	12/8/03	T117-SE10-SG		10	Yes		14499
T117BoundaryDefinition	T117-SE-13-G	195747	1275315	12/8/03	T117-SE13-SG		10	Yes		14500
T117BoundaryDefinition	T117-SE-15-G	195741	1275422	12/5/03	T117-SE15-SG		10	Yes		14502
T117BoundaryDefinition	T117-SE-16-G	195714	1275404	12/5/03	T117-SE16-SG		10	Yes		14504
T117BoundaryDefinition	T117-SE-17-G	195689	1275384	12/5/03	T117-SE17-SG		10	Yes		14506
T117BoundaryDefinition	T117-SE-18-G	195669	1275428	12/5/03	T117-SE18-SG		10	Yes		14507
T117BoundaryDefinition	T117-SE-19-G	195677	1275494	12/5/03	T117-SE19-SG		10	Yes		14508
T117BoundaryDefinition	T117-SE-20-G	195655	1275471	12/5/03	T117-SE20-SG		10	Yes		14510
T117BoundaryDefinition	T117-SE-21-G	195635	1275433	12/8/03	T117-SE21-SG		10	Yes		14512
T117BoundaryDefinition	T117-SE-22-G	195604	1275470	12/5/03	T117-SE22-SG		10	Yes		14513
T117BoundaryDefinition	T117-SE-23-G	195603	1275569	12/5/03	T117-SE23-SG		10	Yes		14515
T117BoundaryDefinition	T117-SE-24-G	195584	1275521	12/5/03	T117-SE24-SG		10	Yes		14517
T117BoundaryDefinition	T117-SE-25-G	195559	1275471	12/8/03	T117-SE25-SG		10	Yes		14519
T117BoundaryDefinition	T117-SE-26-G	195543	1275501	12/5/03	T117-SE26-SG		10	Yes		14520
T117BoundaryDefinition	T117-SE-27-G	195558	1275586	12/5/03	T117-SE27-SG		10	Yes		14521
T117BoundaryDefinition	T117-SE-28-G	195507	1275546	12/5/03	T117-SE28-SG		10	Yes		14522
T117BoundaryDefinition	T117-SE-29-G	195508	1275625	12/5/03	T117-SE29-SG		10	Yes		14523
T117BoundaryDefinition	T117-SE-29-G	195508	1275625	12/5/03	T117-SE52-SG	Duplicate	10	Yes		14650
T117BoundaryDefinition	T117-SE-30-G	195474	1275579	12/5/03	T117-SE30-SG		10	Yes		14525
T117BoundaryDefinition	T117-SE-31-G	195451	1275544	12/5/03	T117-SE31-SG		10	Yes		14527
T117BoundaryDefinition	T117-SE-32-G	195444	1275604	12/5/03	T117-SE32-SG		10	Yes		14528
T117BoundaryDefinition	T117-SE-33-G	195728	1275344	12/23/03	T117-SE33-SG		10	Yes		14529

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Event Name	Location Name	Northing ^a	Easting ^a	Sample Date	Sample ID	Field QC	Lower Depth (cm)	Included In Baseline?	Rationale For Exclusion	Sample Num
T117BoundaryDefinition	T117-SE-33-G	195728	1275344	12/23/03	T117-SE60-SG	Duplicate	10	Yes		14652
T117BoundaryDefinition	T117-SE-34-G	195394	1275578	12/5/03	T117-SE34-SG		10	Yes		14530
T117BoundaryDefinition	T117-SE-35-G	195438	1275663	12/9/03	T117-SE35-SG		10	Yes		14532
T117BoundaryDefinition	T117-SE-36-G	195406	1275613	12/9/03	T117-SE36-SG		10	Yes		14534
T117BoundaryDefinition	T117-SE-37-G	195380	1275563	12/8/03	T117-SE37-SG		10	Yes		14536
T117BoundaryDefinition	T117-SE-38-G	195370	1275690	12/9/03	T117-SE38-SG		10	Yes		14537
T117BoundaryDefinition	T117-SE-39-G	195457	1275512	12/23/03	T117-SE39-SG		10	Yes		14538
T117BoundaryDefinition	T117-SE-40-G	195281	1275612	12/8/03	T117-SE40-SG		10	Yes		14539
T117BoundaryDefinition	T117-SE-41-G	195307	1275709	12/9/03	T117-SE41-SG		10	Yes		14540
T117BoundaryDefinition	T117-SE-42-G	195278	1275668	12/9/03	T117-SE42-SG		10	Yes		14542
T117BoundaryDefinition	T117-SE-43-G	195247	1275616	12/8/03	T117-SE43-SG		10	Yes		14544
T117BoundaryDefinition	T117-SE-43-SC	195244	1275617	12/4/03	T117-SE43-SC-0-0.3		9	Yes		14639
T117BoundaryDefinition	T117-SE-44-G	195221	1275668	12/9/03	T117-SE44-SG		10	Yes		14545
T117BoundaryDefinition	T117-SE-45-G	195180	1275634	12/8/03	T117-SE45-SG		10	Yes		14546
T117BoundaryDefinition	T117-SE-45-G	195180	1275634	12/8/03	T117-SE53-SG	Duplicate	10	Yes		14651
T117BoundaryDefinition	T117-SE-46-G	195148	1275660	12/9/03	T117-SE46-SG		10	Yes		14547
T117BoundaryDefinition	T117-SE-47-G	195754	1275253	12/8/03	T117-SE-SGComp1		10	Yes		14548
T117BoundaryDefinition	T117-SE-70-SC	195734	1275306	3/16/04	T117-SE70-SC-0-0.5		15	Yes		14761
T117BoundaryDefinition	T117-SE-73-G	195835	1275111	3/16/04	T117-SE73-SG		10	Yes		14754
T117BoundaryDefinition	T117-SE-73-G	195835	1275111	3/16/04	T117-SE75-SG	Duplicate	10	Yes		14771
T117BoundaryDefinition	T117-SE-74-G	195885	1275033	3/16/04	T117-SE74-SG		10	Yes		14755
T117BoundaryDefinition	T117-SE-76-G	195801	1275198	6/4/04	T117-SE76-SG		10	Yes		15748
T117BoundaryDefinition	T117-SE-77-G	195783	1275255	6/4/04	T117-SE77-SG		10	Yes		15749
T117BoundaryDefinition	T117-SE-78-G	195768	1275297	6/4/04	T117-SE78-SG		10	Yes		15750
T117BoundaryDefinition	T117-SE-78-G	195768	1275297	6/4/04	T117-SE83-SG	Duplicate	10	Yes		15755
T117BoundaryDefinition	T117-SE-79-G	195747	1275375	6/4/04	T117-SE79-SG		10	Yes		15751
T117BoundaryDefinition	T117-SE-80-G	195730	1275411	6/4/04	T117-SE80-SG		10	Yes		15752
T117BoundaryDefinition	T117-SE-81-G	195672	1275476	6/4/04	T117-SE81-SG		10	Yes		15753
T117BoundaryDefinition	T117-SE-82-G	195593	1275550	6/4/04	T117-SE82-SG		10	Yes		15754
T117BoundaryDefinition	T117-SE-84-G	195810	1275123	9/14/04	T117-SE84-SG		6.7	Yes		20584
T117BoundaryDefinition	T117-SE-85-G	195833	1275201	9/14/04	T117-SE85-SG		7.4	Yes		20585
T117BoundaryDefinition	T117-SE-86-G	195801	1275271	9/14/04	T117-SE86-SG		6.8	Yes		20586
T117BoundaryDefinition	T117-SE-89-G	195815	1275172	9/14/04	T117-SE89-SG		10	Yes		20020
T117BoundaryDefinition	T117-SE-89-G	195815	1275172	9/14/04	T117-SE95-SG	Duplicate	10	Yes		20025
T117BoundaryDefinition	T117-SE-91-G	195814	1275226	9/14/04	T117-SE91-SG		10	Yes		20022
T117BoundaryDefinition	T117-SE-93-G	195783	1275299	9/14/04	T117-SE93-SG		10	Yes		20024

^a Coordinates are Washington State Plane North, US survey ft, NAD83

Appendix B. Chemistry Data for Samples that Supersede Older Samples

The table in this appendix lists chemical concentrations (or reporting limits) greater than applicable SQS/SL or CSL/ML at those sample pairs listed in Table 4-1. If neither member of the sample pair had any exceedances, the samples are not listed in Appendix B.

Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Event	Location	Newer Sample					Older Sample					RM
		Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	1,2,4-Trichlorobenzene	6.5 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	1,2-Dichlorobenzene	6.5 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	1,3-Dichlorobenzene	19 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	1,4-Dichlorobenzene	6.5 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	2,4-Dimethylphenol	6.5 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	2-Methylnaphthalene	19 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	2-Methylphenol	6.5 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Acenaphthene	19 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Benzo(g,h,i)perylene	50	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Dibenzo(a,h)anthracene	19 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 UJ	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Dibenzofuran	19 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Diethyl phthalate	17 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Dimethyl phthalate	6.5 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Di-n-octyl phthalate	19 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Hexachlorobenzene	3.2 UJ	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Hexachlorobutadiene	6.5 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Indeno(1,2,3-cd)pyrene	50	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 UJ	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	N-Nitrosodiphenylamine	6.5 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	600 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	PCBs (total calc'd)	161 J	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	200 J	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Pentachlorophenol	32 UJ	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	1,500 U	0
SurfaceSedimentRound1	LDW-SS1	LDW-SS1-010	1/17/05	Phenol	19 U	µg/kg dw	Harbor Island RI	K-11	K-11	9/30/91	1,200	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	1,2,4-Trichlorobenzene	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	1,2-Dichlorobenzene	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	1,3-Dichlorobenzene	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	1,4-Dichlorobenzene	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	2,4-Dimethylphenol	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	2-Methylnaphthalene	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	2-Methylphenol	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	4-Methylphenol	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Acenaphthene	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Acenaphthylene	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Benzo(g,h,i)perylene	32	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Butyl benzyl phthalate	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Dibenzo(a,h)anthracene	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 UJ	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Dibenzofuran	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Diethyl phthalate	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Dimethyl phthalate	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Di-n-octyl phthalate	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Hexachlorobenzene	7.4 UJ	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Hexachlorobutadiene	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Hexachloroethane	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Indeno(1,2,3-cd)pyrene	120	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 UJ	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	N-Nitrosodiphenylamine	15 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	2,100 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Pentachlorophenol	74 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	5,200 U	0
SurfaceSedimentRound1	LDW-SS4	LDW-SS4-010	1/17/05	Phenol	20 U	µg/kg dw	Harbor Island RI	K-07	K-07	9/30/91	3,600	0
SurfaceSedimentRound1	LDW-SS5	LDW-SS5-010	1/17/05	Bis(2-ethylhexyl)phthalate	20 U	µg/kg dw	EPA SI	DR076	SD-DR076-0000	8/24/98	6,100	0
SurfaceSedimentRound1	LDW-SS5	LDW-SS5-010	1/17/05	Hexachlorobutadiene	0.98 U	µg/kg dw	EPA SI	DR076	SD-DR076-0000	8/24/98	20 U	0

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Event	Newer Sample						Older Sample						RM
	Location	Sample	Sampling Date	Analyte	Result	Units	Location	Sample	Sampling Date	Result			
SurfaceSedimentRound1	LDW-SS5	LDW-SS5-010	1/17/05	N-Nitrosodiphenylamine	6.5 U	µg/kg dw	EPA SI	DR076	SD-DR076-0000	8/24/98	40 U	0	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,2,4-Trichlorobenzene	7.0 UJ	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,2,4-Trichlorobenzene	7.0 UJ	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,2,4-Trichlorobenzene	7.0 UJ	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,2-Dichlorobenzene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,2-Dichlorobenzene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,2-Dichlorobenzene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,3-Dichlorobenzene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,3-Dichlorobenzene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,3-Dichlorobenzene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,4-Dichlorobenzene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,4-Dichlorobenzene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	1,4-Dichlorobenzene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2,4-Dimethylphenol	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2,4-Dimethylphenol	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2,4-Dimethylphenol	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2-Methylnaphthalene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2-Methylnaphthalene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2-Methylnaphthalene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2-Methylphenol	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2-Methylphenol	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	2-Methylphenol	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	4-Methylphenol	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	4-Methylphenol	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	4-Methylphenol	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Acenaphthene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Acenaphthene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Acenaphthene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Acenaphthylene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Acenaphthylene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Acenaphthylene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Benzo(a)anthracene	320	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Benzo(g,h,i)perylene	39	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Benzo(g,h,i)perylene	39	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Benzo(g,h,i)perylene	39	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Bis(2-ethylhexyl)phthalate	82 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	8,400 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Butyl benzyl phthalate	26	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Butyl benzyl phthalate	26	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Butyl benzyl phthalate	26	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Cadmium	0.5	mg/kg dw	Harbor Island RI	K-05	K-05-2-D1	9/27/91	7.3	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Cadmium	0.5	mg/kg dw	Harbor Island RI	K-05	K-05-2-D2	10/14/91	7.6	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Cadmium	0.5	mg/kg dw	Harbor Island RI	K-05	K-05-3-D1	9/27/91	7.0	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Cadmium	0.5	mg/kg dw	Harbor Island RI	K-05	K-05-3-D2	10/14/91	8.7	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dibenzo(a,h)anthracene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dibenzo(a,h)anthracene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dibenzo(a,h)anthracene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dibenzofuran	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	

Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Newer Sample							Older Sample						
Event	Location	Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	RM	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dibenzofuran	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dibenzofuran	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Diethyl phthalate	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Diethyl phthalate	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Diethyl phthalate	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dimethyl phthalate	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dimethyl phthalate	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Dimethyl phthalate	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Di-n-butyl phthalate	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Di-n-butyl phthalate	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Di-n-butyl phthalate	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Fluorene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Fluorene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachlorobenzene	4.0 UJ	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachlorobenzene	4.0 UJ	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachlorobenzene	4.0 UJ	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachlorobutadiene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachlorobutadiene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachlorobutadiene	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachloroethane	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachloroethane	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Hexachloroethane	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Indeno(1,2,3-cd)pyrene	220	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Indeno(1,2,3-cd)pyrene	220	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Indeno(1,2,3-cd)pyrene	220	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Naphthalene	20 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	N-Nitrosodiphenylamine	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	N-Nitrosodiphenylamine	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	3,800 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	N-Nitrosodiphenylamine	14 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,900 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Pentachlorophenol	68 U	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	4,700 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Pentachlorophenol	68 U	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	9,600 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Pentachlorophenol	68 U	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	4,700 UJ	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Phenol	24	µg/kg dw	Harbor Island RI	K-05	K-05-1	10/14/91	2,000 J	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Phenol	24	µg/kg dw	Harbor Island RI	K-05	K-05-2	10/14/91	1,200 J	0.2	
SurfaceSedimentRound1	LDW-SS10	LDW-SS10-010	1/17/05	Phenol	24	µg/kg dw	Harbor Island RI	K-05	K-05-3	10/14/91	1,700 J	0.2	
SurfaceSedimentRound1	LDW-SS12	LDW-SS12-010	1/17/05	1,2,4-Trichlorobenzene	6.5 U	µg/kg dw	EPA SI	DR035	SD-DR035-0000	8/11/98	20 U	0.2	
SurfaceSedimentRound1	LDW-SS12	LDW-SS12-010	1/17/05	Hexachlorobenzene	6.5 U	µg/kg dw	EPA SI	DR035	SD-DR035-0000	8/11/98	20 U	0.2	
SurfaceSedimentRound1	LDW-SS12	LDW-SS12-010	1/17/05	Mercury	0.24	mg/kg dw	EPA SI	DR035	SD-DR035-0000	8/11/98	0.52	0.2	
SurfaceSedimentRound1	LDW-SS12	LDW-SS12-010	1/17/05	PCBs (total calc'd)	171 J	µg/kg dw	EPA SI	DR035	SD-DR035-0000	8/11/98	510 J	0.2	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	1,2,4-Trichlorobenzene	98 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	1.2 UJ	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	1,2-Dichlorobenzene	98 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	2.6 J	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	1,4-Dichlorobenzene	98 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	4.1 J	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	2,4-Dimethylphenol	98 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	48 U	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	2-Methylphenol	98 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	48 U	0.3	

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Newer Sample							Older Sample						
Event	Location	Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	Unit	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	Benzoic acid	980 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	200 U	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	Benzyl alcohol	98 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	48 U	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	Bis(2-ethylhexyl)phthalate	1,100	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	2,000	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	Butyl benzyl phthalate	54 J	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	140	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	Hexachlorobenzene	98 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	6.6 J	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	Hexachlorobutadiene	98 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	48 U	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	PCBs (total calc'd)	120	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	1,060 J	0.3	
SurfaceSedimentRound1	LDW-SS17	LDW-SS17-010	1/24/05	Pentachlorophenol	480 U	µg/kg dw	Duw/Diag-1.5	DUD042	L7279-11	11/11/95	48 U	0.3	
Duw/Diag-1.5	DUD032	L7279-3	11/9/95	2,4-Dimethylphenol	49 U	µg/kg dw	Duw/Diag-1	DUD032	L4288-27	8/12/94	45 U	0.4	
Duw/Diag-1.5	DUD032	L7279-3	11/9/95	Arsenic	11	mg/kg dw	Duw/Diag-1	DUD032	L4288-27	8/12/94	150	0.4	
Duw/Diag-1.5	DUD032	L7279-3	11/9/95	Bis(2-ethylhexyl)phthalate	1,500	µg/kg dw	Duw/Diag-1	DUD032	L4288-27	8/12/94	1,500	0.4	
Duw/Diag-1.5	DUD032	L7279-3	11/9/95	Butyl benzyl phthalate	110	µg/kg dw	Duw/Diag-1	DUD032	L4288-27	8/12/94	150	0.4	
Duw/Diag-1.5	DUD032	L7279-3	11/9/95	Mercury	0.815	mg/kg dw	Duw/Diag-1	DUD032	L4288-27	8/12/94	0.380	0.4	
Duw/Diag-1.5	DUD032	L7279-3	11/9/95	PCBs (total calc'd)	980	µg/kg dw	Duw/Diag-1	DUD032	L4288-27	8/12/94	1,370	0.4	
Duw/Diag-1.5	DUD032	L7279-3	11/9/95	Zinc	183	mg/kg dw	Duw/Diag-1	DUD032	L4288-27	8/12/94	670 J	0.4	
KC WQA	DD-1	L12059-1	9/24/97	1,4-Dichlorobenzene	90 J	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	8.4 UJ	0.4	
KC WQA	DD-1	L12059-1	9/24/97	2,4-Dimethylphenol	41 U	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	39 U	0.4	
KC WQA	DD-1	L12059-1	9/24/97	Bis(2-ethylhexyl)phthalate	5,490	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	5,900	0.4	
KC WQA	DD-1	L12059-1	9/24/97	Butyl benzyl phthalate	601	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	260	0.4	
KC WQA	DD-1	L12059-1	9/24/97	PCBs (total calc'd)	140	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	600 J	0.4	
KC WQA	DD-1	L12666-1	9/24/97	2,4-Dimethylphenol	43 U	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	39 U	0.4	
KC WQA	DD-1	L12666-1	9/24/97	Bis(2-ethylhexyl)phthalate	4,770	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	5,900	0.4	
KC WQA	DD-1	L12666-1	9/24/97	Butyl benzyl phthalate	874	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	260	0.4	
KC WQA	DD-1	L12666-1	9/24/97	PCBs (total calc'd)	143 J	µg/kg dw	Duw/Diag-1	DUD001	L4288-30	8/17/94	600 J	0.4	
KC WQA	DD-2	L12666-2	9/24/97	2,4-Dimethylphenol	51 UJ	µg/kg dw	Duw/Diag-1	DUD006	L4288-5	8/10/94	40 UJ	0.4	
KC WQA	DD-2	L12666-2	9/24/97	Bis(2-ethylhexyl)phthalate	4,580	µg/kg dw	Duw/Diag-1	DUD006	L4288-5	8/10/94	8,400	0.4	
KC WQA	DD-2	L12666-2	9/24/97	Butyl benzyl phthalate	289	µg/kg dw	Duw/Diag-1	DUD006	L4288-5	8/10/94	23 U	0.4	
KC WQA	DD-2	L12666-3	9/24/97	2,4-Dimethylphenol	290 J	µg/kg dw	Duw/Diag-1	DUD006	L4288-5	8/10/94	40 UJ	0.4	
KC WQA	DD-2	L12666-3	9/24/97	Bis(2-ethylhexyl)phthalate	7,770	µg/kg dw	Duw/Diag-1	DUD006	L4288-5	8/10/94	8,400	0.4	
KC WQA	DD-2	L12666-3	9/24/97	Butyl benzyl phthalate	236	µg/kg dw	Duw/Diag-1	DUD006	L4288-5	8/10/94	23 U	0.4	
KC WQA	DD-3	L12059-3	9/24/97	2,4-Dimethylphenol	59 U	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	50 UJ	0.5	
KC WQA	DD-3	L12059-3	9/24/97	Benzyl alcohol	59 U	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	50 U	0.5	
KC WQA	DD-3	L12059-3	9/24/97	Bis(2-ethylhexyl)phthalate	4,270	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	9,700	0.5	
KC WQA	DD-3	L12059-3	9/24/97	Butyl benzyl phthalate	237	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	200	0.5	
KC WQA	DD-3	L12059-3	9/24/97	PCBs (total calc'd)	54 J	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	340 J	0.5	
KC WQA	DD-3	L12666-4	9/24/97	2,4-Dimethylphenol	61 U	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	50 UJ	0.5	
KC WQA	DD-3	L12666-4	9/24/97	Benzyl alcohol	61 UJ	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	50 U	0.5	
KC WQA	DD-3	L12666-4	9/24/97	Bis(2-ethylhexyl)phthalate	5,270	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	9,700	0.5	
KC WQA	DD-3	L12666-4	9/24/97	Butyl benzyl phthalate	352	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	200	0.5	
KC WQA	DD-3	L12666-4	9/24/97	PCBs (total calc'd)	370	µg/kg dw	Duw/Diag-1	DUD022	L4288-21	8/10/94	340 J	0.5	
KC WQA	DD-4	L12666-5	9/24/97	2,4-Dimethylphenol	52 UJ	µg/kg dw	Duw/Diag-1	DUD034	L4288-28	8/12/94	51 U	0.5	
KC WQA	DD-4	L12666-5	9/24/97	Bis(2-ethylhexyl)phthalate	460 J	µg/kg dw	Duw/Diag-1	DUD034	L4288-28	8/12/94	1,200	0.5	
KC WQA	DD-4	L12666-5	9/24/97	PCBs (total calc'd)	140 J	µg/kg dw	Duw/Diag-1	DUD034	L4288-28	8/12/94	393 J	0.5	
KC WQA	DD-4	L12666-6	9/24/97	2,4-Dimethylphenol	54 U	µg/kg dw	Duw/Diag-1	DUD034	L4288-28	8/12/94	51 U	0.5	
KC WQA	DD-4	L12666-6	9/24/97	Bis(2-ethylhexyl)phthalate	512	µg/kg dw	Duw/Diag-1	DUD034	L4288-28	8/12/94	1,200	0.5	
KC WQA	DD-4	L12666-6	9/24/97	PCBs (total calc'd)	138 J	µg/kg dw	Duw/Diag-1	DUD034	L4288-28	8/12/94	393 J	0.5	
KC WQA	DD-5	L12059-5	9/24/97	2,4-Dimethylphenol	52 U	µg/kg dw	Duw/Diag-1.5	DUD039	L7279-8	11/9/95	51 U	0.5	

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

Page

Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Newer Sample							Older Sample						
Event	Location	Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	RM	
KC WQA	DD-5	L12059-5	9/24/97	Hexachlorobenzene	1.3 UJ	µg/kg dw	Duw/Diag-1.5	DUD039	L7279-8	11/9/95	33 J	0.5	
KC WQA	DD-5	L12059-5	9/24/97	PCBs (total calc'd)	29	µg/kg dw	Duw/Diag-1.5	DUD039	L7279-8	11/9/95	330 J	0.5	
KC WQA	DD-5	L12666-7	9/24/97	2,4-Dimethylphenol	52 UJ	µg/kg dw	Duw/Diag-1.5	DUD039	L7279-8	11/9/95	51 U	0.5	
KC WQA	DD-5	L12666-7	9/24/97	Hexachlorobenzene	1.3 UJ	µg/kg dw	Duw/Diag-1.5	DUD039	L7279-8	11/9/95	33 J	0.5	
KC WQA	DD-5	L12666-7	9/24/97	PCBs (total calc'd)	119 J	µg/kg dw	Duw/Diag-1.5	DUD039	L7279-8	11/9/95	330 J	0.5	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	1,2,4-Trichlorobenzene	23 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	2.8 J	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	2,4-Dimethylphenol	580 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	2-Methylnaphthalene	1,200 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	84 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	2-Methylphenol	1,300 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	4-Methylphenol	1,300 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Acenaphthene	580 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	50.0	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Benzoic acid	1,100 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	230	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Benzyl alcohol	500 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Bis(2-ethylhexyl)phthalate	1,000 J	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	1,700	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Butyl benzyl phthalate	500 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	140	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Dibenzo(a,h)anthracene	580 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	170 J	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Dibenzofuran	1,200 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Fluorene	1,100 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	63.0	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Hexachlorobenzene	56 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	1.3 UJ	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	N-Nitrosodiphenylamine	1,700 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	PCBs (total calc'd)	492	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	1,010 J	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Pentachlorophenol	560 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-4	10/20/03	Phenol	750 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	210 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	1,2,4-Trichlorobenzene	22 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	2.8 J	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	2,4-Dimethylphenol	560 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	2-Methylnaphthalene	1,100 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	84 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	2-Methylphenol	1,300 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	4-Methylphenol	1,300 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Acenaphthene	560 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	50.0	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Benzoic acid	1,100 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	230	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Benzyl alcohol	480 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Bis(2-ethylhexyl)phthalate	1,100 J	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	1,700	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Butyl benzyl phthalate	480 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	140	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Dibenzo(a,h)anthracene	560 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	170 J	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Dibenzofuran	1,100 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Fluorene	1,000 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	63.0	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Hexachlorobenzene	54 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	1.3 UJ	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	N-Nitrosodiphenylamine	1,600 U	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	PCBs (total calc'd)	2,730	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	1,010 J	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Pentachlorophenol	540 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	53 U	0.6	
DuwDiagonal-October2003	DUD_4C	L29990-5	10/20/03	Phenol	720 UJ	µg/kg dw	Duw/Diag-1.5	DUD036	L7279-4	11/11/95	210 U	0.6	
SurfaceSedimentRound1	LDW-SS27	LDW-SS200-010	1/18/05	PCBs (total calc'd)	100 J	µg/kg dw	NOAA SiteChar	EST219	EST21-03	9/17/97	4,400 J	0.8	
SurfaceSedimentRound1	LDW-SS27	LDW-SS27-010	1/18/05	PCBs (total calc'd)	53 J	µg/kg dw	NOAA SiteChar	EST219	EST21-03	9/17/97	4,400 J	0.8	
SurfaceSedimentRound2	LDW-SSB2b	LDW-SSB2b-010	3/11/05	1,2,4-Trichlorobenzene	6.5 U	µg/kg dw	EPA SI	DR085	SD-DR085-0000	8/31/98	20 U	0.8	
SurfaceSedimentRound2	LDW-SSB2b	LDW-SSB2b-010	3/11/05	Hexachlorobenzene	0.97 U	µg/kg dw	EPA SI	DR085	SD-DR085-0000	8/31/98	20 U	0.8	
SurfaceSedimentRound2	LDW-SSB2b	LDW-SSB2b-010	3/11/05	PCBs (total calc'd)	790	µg/kg dw	EPA SI	DR085	SD-DR085-0000	8/31/98	410 J	0.8	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	1,2,4-Trichlorobenzene	97 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	20 U	0.9	

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Event ID	Newer Sample						Older Sample						RM
	Location	Sample ID	Sampling Date	Analyte	Result	Unit	Event ID	Location	Sample ID	Sampling Date	Result		
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	1,2-Dichlorobenzene	97 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	20 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	1,4-Dichlorobenzene	97 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	20 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	2,4-Dimethylphenol	97 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	20 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	2-Methylphenol	97 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	20 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	Arsenic	122	mg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	99	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	Benzoic acid	970 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	200 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	Benzyl alcohol	97 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	50 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	Hexachlorobenzene	97 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	20 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	Hexachlorobutadiene	97 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	20 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	Mercury	0.33	mg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	0.47	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	Pentachlorophenol	480 U	µg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	100 U	0.9	
SurfaceSedimentRound1	LDW-SS31	LDW-SS31-010	1/21/05	Zinc	997	mg/kg dw	EPA SI	DR020	SD-DR020-0000	8/17/98	1,100	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	1,2,4-Trichlorobenzene	20 U	µg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	20 U	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Acenaphthene	23	µg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	580	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Benzyl alcohol	20 U	µg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	1,700	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Dibenzofuran	20 U	µg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	500	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Fluorene	21	µg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	610	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Hexachlorobenzene	1.7 U	µg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	20 U	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Indeno(1,2,3-cd)pyrene	98 U	µg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	920	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Nickel	304	mg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	23	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Phenanthrene	180	µg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	3,000	0.9	
SurfaceSedimentRound1	LDW-SS32	LDW-SS32-010	1/18/05	Zinc	414	mg/kg dw	EPA SI	DR019	SD-DR019-0000	8/17/98	360	0.9	
SurfaceSedimentRound1	LDW-SS37	LDW-SS37-010	1/18/05	1,2,4-Trichlorobenzene	20 U	µg/kg dw	EPA SI	DR087	SD-DR087-0000	8/12/98	20 U	1.0	
SurfaceSedimentRound1	LDW-SS37	LDW-SS37-010	1/18/05	Acenaphthene	20 U	µg/kg dw	EPA SI	DR087	SD-DR087-0000	8/12/98	530	1.0	
SurfaceSedimentRound1	LDW-SS37	LDW-SS37-010	1/18/05	Dibenzo(a,h)anthracene	98 U	µg/kg dw	EPA SI	DR087	SD-DR087-0000	8/12/98	210	1.0	
SurfaceSedimentRound1	LDW-SS37	LDW-SS37-010	1/18/05	Hexachlorobenzene	20 U	µg/kg dw	EPA SI	DR087	SD-DR087-0000	8/12/98	20 U	1.0	
SurfaceSedimentRound1	LDW-SS37	LDW-SS37-010	1/18/05	Indeno(1,2,3-cd)pyrene	80	µg/kg dw	EPA SI	DR087	SD-DR087-0000	8/12/98	620	1.0	
SurfaceSedimentRound1	LDW-SS37	LDW-SS37-010	1/18/05	Mercury	0.69	mg/kg dw	EPA SI	DR087	SD-DR087-0000	8/12/98	0.55	1.0	
SurfaceSedimentRound1	LDW-SS37	LDW-SS37-010	1/18/05	PCBs (total calc'd)	5,100	µg/kg dw	EPA SI	DR087	SD-DR087-0000	8/12/98	690	1.0	
SurfaceSedimentRound1	LDW-SS40	LDW-SS40-010	1/18/05	1,2,4-Trichlorobenzene	20 U	µg/kg dw	EPA SI	DR088	SD-DR088-0000	8/31/98	20 U	1.1	
SurfaceSedimentRound1	LDW-SS40	LDW-SS40-010	1/18/05	Hexachlorobenzene	20 U	µg/kg dw	EPA SI	DR088	SD-DR088-0000	8/31/98	20 U	1.1	
SurfaceSedimentRound1	LDW-SS40	LDW-SS40-010	1/18/05	PCBs (total calc'd)	510 J	µg/kg dw	EPA SI	DR088	SD-DR088-0000	8/31/98	1,010 J	1.1	
SurfaceSedimentRound1	LDW-SS44	LDW-SS44-010	1/21/05	4-Methylphenol	58 U	µg/kg dw	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	910	1.2	
SurfaceSedimentRound1	LDW-SS44	LDW-SS44-010	1/21/05	Acenaphthene	58 U	µg/kg dw	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	690 J	1.2	
SurfaceSedimentRound1	LDW-SS44	LDW-SS44-010	1/21/05	Bis(2-ethylhexyl)phthalate	120	µg/kg dw	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	3,800 J	1.2	
SurfaceSedimentRound1	LDW-SS44	LDW-SS44-010	1/21/05	Dibenzofuran	58 U	µg/kg dw	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	480 J	1.2	
SurfaceSedimentRound1	LDW-SS44	LDW-SS44-010	1/21/05	Fluoranthene	940	µg/kg dw	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	5,500	1.2	
SurfaceSedimentRound1	LDW-SS44	LDW-SS44-010	1/21/05	Fluorene	63	µg/kg dw	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	650 J	1.2	
SurfaceSedimentRound1	LDW-SS44	LDW-SS44-010	1/21/05	Hexachlorobenzene	3.3 UJ	µg/kg dw	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	20 U	1.2	
SurfaceSedimentRound1	LDW-SS44	LDW-SS44-010	1/21/05	Phenol	58 U	µg/kg dw	EPA SI	DR053	SD-DR053-0000-CC	8/31/98	570	1.2	
LDWR1-Benthic	B4b	LDW-B4b-S	8/28/04	1,2,4-Trichlorobenzene	11 UJ	µg/kg dw	EPA SI	DR028	SD-DR028-0000	8/17/98	20 U	1.3	
LDWR1-Benthic	B4b	LDW-B4b-S	8/28/04	2,4-Dimethylphenol	55 UJ	µg/kg dw	EPA SI	DR028	SD-DR028-0000	8/17/98	20 U	1.3	
LDWR1-Benthic	B4b	LDW-B4b-S	8/28/04	Benzyl alcohol	70 J	µg/kg dw	EPA SI	DR028	SD-DR028-0000	8/17/98	50 U	1.3	
LDWR1-Benthic	B4b	LDW-B4b-S	8/28/04	Hexachlorobenzene	1.0 U	µg/kg dw	EPA SI	DR028	SD-DR028-0000	8/17/98	20 U	1.3	
LDWR1-Benthic	B4b	LDW-B4b-S	8/28/04	PCBs (total calc'd)	400	µg/kg dw	EPA SI	DR028	SD-DR028-0000	8/17/98	210	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	1,2,4-Trichlorobenzene	19 U	µg/kg dw	DuwamishShipyard	SS-2	SS-2	8/17/93	78.0 U	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	1,2-Dichlorobenzene	19 U	µg/kg dw	DuwamishShipyard	SS-2	SS-2	8/17/93	78.0 U	1.3	

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Newer Sample							Older Sample						
Event	Location	Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	RM	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	2,4-Dimethylphenol	19 U	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	78.0 U	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	2-Methylphenol	21	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	78.0 U	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Acenaphthene	230	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	780	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Arsenic	807	mg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	1,130	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Benzoic acid	190 U	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	780 U	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Benzyl alcohol	19 UJ	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	78.0 U	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Bis(2-ethylhexyl)phthalate	770	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	1,600	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Butyl benzyl phthalate	71	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	78.0 U	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Chrysene	1,900	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	3,200	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Copper	1,420	mg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	1,970 J	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Dibenzofuran	100	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	540	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Fluoranthene	2,900	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	9,700	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Fluorene	230	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	1,000	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Hexachlorobenzene	19 U	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	78.0 U	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Lead	780	mg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	854 J	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Mercury	0.79	mg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	0.35	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Pentachlorophenol	96 U	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	390 U	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Phenanthrene	1,700	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	7,100	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Total HPAH (calc'd)	12,100	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	27,640 J	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Total LPAH (calc'd)	2,900	µg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	10,430	1.3	
SurfaceSedimentRound1	LDW-SS48	LDW-SS48-010	1/18/05	Zinc	2,830	mg/kg dw	Duwamish Shipyard	SS-2	SS-2	8/17/93	4,400 J	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS202-010	1/24/05	1,2,4-Trichlorobenzene	31 U	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	20 U	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS202-010	1/24/05	2,4-Dimethylphenol	31 U	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	20 U	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS202-010	1/24/05	Benzyl alcohol	160 U	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	50 U	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS202-010	1/24/05	Bis(2-ethylhexyl)phthalate	560	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	1,500	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS202-010	1/24/05	Hexachlorobenzene	0.98 U	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	20 U	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS202-010	1/24/05	Mercury	0.40	mg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	0.62	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS202-010	1/24/05	PCBs (total calc'd)	370	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	4,800	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS50-010	1/24/05	Bis(2-ethylhexyl)phthalate	560	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	1,500	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS50-010	1/24/05	Hexachlorobenzene	0.97 U	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	20 U	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS50-010	1/24/05	Mercury	0.41	mg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	0.62	1.3	
SurfaceSedimentRound1	LDW-SS50	LDW-SS50-010	1/24/05	PCBs (total calc'd)	790	µg/kg dw	EPA SI	DR030	SD-DR030-0000	8/17/98	4,800	1.3	
SurfaceSedimentRound1	LDW-SS51	LDW-SS51-010	1/18/05	1,2,4-Trichlorobenzene	6.6 U	µg/kg dw	EPA SI	DR160	SD-DR160-0000	8/12/98	20 U	1.3	
SurfaceSedimentRound1	LDW-SS51	LDW-SS51-010	1/18/05	Bis(2-ethylhexyl)phthalate	120 U	µg/kg dw	EPA SI	DR160	SD-DR160-0000	8/12/98	1,900	1.3	
SurfaceSedimentRound1	LDW-SS51	LDW-SS51-010	1/18/05	Hexachlorobenzene	6.6 U	µg/kg dw	EPA SI	DR160	SD-DR160-0000	8/12/98	20 U	1.3	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	1,2,4-Trichlorobenzene	98 U	µg/kg dw	Duwamish Shipyard	SS-3	SS-3	8/17/93	77.0 U	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	1,2,4-Trichlorobenzene	98 U	µg/kg dw	Duwamish Shipyard	SS-3	SS-6	8/17/93	77.0 U	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	1,2-Dichlorobenzene	98 U	µg/kg dw	Duwamish Shipyard	SS-3	SS-3	8/17/93	77.0 U	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	1,2-Dichlorobenzene	98 U	µg/kg dw	Duwamish Shipyard	SS-3	SS-6	8/17/93	77.0 U	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	1,4-Dichlorobenzene	98 U	µg/kg dw	Duwamish Shipyard	SS-3	SS-3	8/17/93	77.0 U	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	2,4-Dimethylphenol	98 U	µg/kg dw	Duwamish Shipyard	SS-3	SS-3	8/17/93	77.0 U	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	2-Methylphenol	98 U	µg/kg dw	Duwamish Shipyard	SS-3	SS-3	8/17/93	77.0 U	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	2-Methylphenol	98 U	µg/kg dw	Duwamish Shipyard	SS-3	SS-6	8/17/93	77.0 U	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Arsenic	171	mg/kg dw	Duwamish Shipyard	SS-3	SS-3	8/17/93	75.0	1.4	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Arsenic	171	mg/kg dw	Duwamish Shipyard	SS-3	SS-6	8/17/93	57.0	1.4	

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Event	Location	Newer Sample					Older Sample					ERM
		Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Benzoic acid	980 U	µg/kg dw	DuwamishShipyard	SS-3	SS-3	8/17/93	770 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Benzoic acid	980 U	µg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	770 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Benzyl alcohol	98 U	µg/kg dw	DuwamishShipyard	SS-3	SS-3	8/17/93	77.0 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Benzyl alcohol	98 U	µg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	77.0 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Bis(2-ethylhexyl)phthalate	160	µg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	970	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Butyl benzyl phthalate	98 U	µg/kg dw	DuwamishShipyard	SS-3	SS-3	8/17/93	120	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Copper	605	mg/kg dw	DuwamishShipyard	SS-3	SS-3	8/17/93	507 J	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Copper	605	mg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	519 J	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Hexachlorobenzene	98 U	µg/kg dw	DuwamishShipyard	SS-3	SS-3	8/17/93	77.0 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Hexachlorobenzene	98 U	µg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	77.0 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Hexachlorobutadiene	98 U	µg/kg dw	DuwamishShipyard	SS-3	SS-3	8/17/93	77.0 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Hexachlorobutadiene	98 U	µg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	77.0 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Mercury	0.36	mg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	0.54	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Pentachlorophenol	490 U	µg/kg dw	DuwamishShipyard	SS-3	SS-3	8/17/93	380 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Pentachlorophenol	490 U	µg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	390 U	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Zinc	768	mg/kg dw	DuwamishShipyard	SS-3	SS-3	8/17/93	418 J	1.4
SurfaceSedimentRound1	LDW-SS49	LDW-SS49-010	1/26/05	Zinc	768	mg/kg dw	DuwamishShipyard	SS-3	SS-6	8/17/93	416 J	1.4
SurfaceSedimentRound1	LDW-SS52	LDW-SS52-010	1/25/05	1,2,4-Trichlorobenzene	6.5 U	µg/kg dw	EPA SI	DR065	SD-DR065-0000	8/17/98	20 U	1.4
SurfaceSedimentRound1	LDW-SS52	LDW-SS52-010	1/25/05	Acenaphthene	20 U	µg/kg dw	EPA SI	DR065	SD-DR065-0000	8/17/98	1,800	1.4
SurfaceSedimentRound1	LDW-SS52	LDW-SS52-010	1/25/05	Dibenzofuran	20 U	µg/kg dw	EPA SI	DR065	SD-DR065-0000	8/17/98	1,300	1.4
SurfaceSedimentRound1	LDW-SS52	LDW-SS52-010	1/25/05	Fluoranthene	250	µg/kg dw	EPA SI	DR065	SD-DR065-0000	8/17/98	4,200	1.4
SurfaceSedimentRound1	LDW-SS52	LDW-SS52-010	1/25/05	Fluorene	20 U	µg/kg dw	EPA SI	DR065	SD-DR065-0000	8/17/98	2,100	1.4
SurfaceSedimentRound1	LDW-SS52	LDW-SS52-010	1/25/05	Hexachlorobenzene	6.5 U	µg/kg dw	EPA SI	DR065	SD-DR065-0000	8/17/98	20 U	1.4
SurfaceSedimentRound1	LDW-SS52	LDW-SS52-010	1/25/05	Phenanthrene	74	µg/kg dw	EPA SI	DR065	SD-DR065-0000	8/17/98	8,900	1.4
SurfaceSedimentRound1	LDW-SS52	LDW-SS52-010	1/25/05	Total LPAH (calc'd)	110	µg/kg dw	EPA SI	DR065	SD-DR065-0000	8/17/98	14,800	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	1,2,4-Trichlorobenzene	6.5 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	1,2-Dichlorobenzene	6.5 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	1,4-Dichlorobenzene	6.5 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	2,4-Dimethylphenol	6.5 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	2-Methylphenol	6.5 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Arsenic	17.2	mg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	140	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Benzoic acid	65 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	740 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Benzyl alcohol	32 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Bis(2-ethylhexyl)phthalate	98	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	2,200	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Butyl benzyl phthalate	6.5 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Hexachlorobenzene	0.98 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Hexachlorobutadiene	0.98 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	74.0 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Pentachlorophenol	32 U	µg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	370 U	1.4
SurfaceSedimentRound1	LDW-SS55	LDW-SS55-010	1/24/05	Zinc	151	mg/kg dw	DuwamishShipyard	SS-4	SS-4	8/17/93	750	1.4
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	1,2,4-Trichlorobenzene	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	20 U	1.4
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	1,2-Dichlorobenzene	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	20 U	1.4
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	1,4-Dichlorobenzene	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	20 U	1.4
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	2,4-Dimethylphenol	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	20 U	1.4
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	2-Methylphenol	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	20 U	1.4
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	Benzoic acid	1,400 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	200 U	1.4
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	Benzyl alcohol	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	50 U	1.4
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	Butyl benzyl phthalate	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	60	1.4

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Newer Sample							Older Sample						
Event	Location	Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	RM	
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	Hexachlorobenzene	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	20 U	1.4	
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	Hexachlorobutadiene	140 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	20 U	1.4	
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	Mercury	0.31	mg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	0.45	1.4	
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	PCBs (total calc'd)	750	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	900	1.4	
SurfaceSedimentRound1	LDW-SS57	LDW-SS57-010	1/24/05	Pentachlorophenol	720 U	µg/kg dw	EPA SI	DR123	SD-DR123-0000	9/14/98	100 UJ	1.4	
SurfaceSedimentRound1	LDW-SS63	LDW-SS63-010	1/21/05	Hexachlorobenzene	0.97 U	µg/kg dw	EPA SI	DR097	SD-DR097-0000	8/20/98	20 U	1.7	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	1,2,4-Trichlorobenzene	180 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	20 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	1,2-Dichlorobenzene	180 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	20 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	1,3-Dichlorobenzene	180 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	20 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	1,4-Dichlorobenzene	180 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	20 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	2,4-Dimethylphenol	180 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	20 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	2-Methylphenol	180 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	20 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	Benzoic acid	1,800 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	200 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	Benzyl alcohol	180 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	50 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	Bis(2-ethylhexyl)phthalate	1,700	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	1,500	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	Butyl benzyl phthalate	180 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	460 J	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	Hexachlorobenzene	0.98 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	20 U	1.8	
SurfaceSedimentRound1	LDW-SS70	LDW-SS70-010	1/21/05	Pentachlorophenol	890 U	µg/kg dw	EPA SI	DR131	SD-DR131-0000-CC	8/13/98	100 U	1.8	
SurfaceSedimentRound1	LDW-SS75	LDW-SS75-010	1/21/05	1,2,4-Trichlorobenzene	20 U	µg/kg dw	Boeing SiteChar	R7	SD0056	10/15/97	19 U	1.9	
SurfaceSedimentRound1	LDW-SS75	LDW-SS75-010	1/21/05	Hexachlorobenzene	20 U	µg/kg dw	Boeing SiteChar	R7	SD0056	10/15/97	0.70 J	1.9	
SurfaceSedimentRound1	LDW-SS75	LDW-SS75-010	1/21/05	PCBs (total calc'd)	520	µg/kg dw	Boeing SiteChar	R7	SD0056	10/15/97	1,200	1.9	
SurfaceSedimentRound1	LDW-SS76	LDW-SS76-010	1/20/05	1,2,4-Trichlorobenzene	6.6 U	µg/kg dw	EPA SI	DR106	SD-DR106-0000	8/19/98	20 U	2.0	
SurfaceSedimentRound1	LDW-SS76	LDW-SS76-010	1/20/05	Benzyl alcohol	20 U	µg/kg dw	EPA SI	DR106	SD-DR106-0000	8/19/98	80	2.0	
SurfaceSedimentRound1	LDW-SS76	LDW-SS76-010	1/20/05	Hexachlorobenzene	0.98 U	µg/kg dw	EPA SI	DR106	SD-DR106-0000	8/19/98	20 U	2.0	
SurfaceSedimentRound1	LDW-SS79	LDW-SS79-010	1/24/05	PCBs (total calc'd)	68	µg/kg dw	NOAA SiteChar	CH0023	CH07-01	10/16/97	1,200 J	2.0	
SurfaceSedimentRound2	LDW-SS81	LDW-SS81-010	3/8/05	Hexachlorobenzene	0.97 U	µg/kg dw	EPA SI	DR113	SD-DR113-0000-CC	8/19/98	20 U	2.1	
SurfaceSedimentRound2	LDW-SS81	LDW-SS81-010	3/8/05	PCBs (total calc'd)	210	µg/kg dw	EPA SI	DR113	SD-DR113-0000-CC	8/19/98	2,100 J	2.1	
LDWR1-Benthic	B5a-2	LDW-B5a-S2	9/24/04	PCBs (total calc'd)	1,730	µg/kg dw	NOAA SiteChar	WT280	WT11-01	10/3/97	5,200 J	2.2	
SurfaceSedimentRound1	LDW-SS88	LDW-SS88-010	1/25/05	PCBs (total calc'd)	660	µg/kg dw	NOAA SiteChar	EIT074	EIT09-01	11/3/97	450	2.5	
SurfaceSedimentRound1	LDW-SS92	LDW-SS92-010	1/25/05	PCBs (total calc'd)	970	µg/kg dw	NOAA SiteChar	EST180	EST13-05	10/6/97	230	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	1,2,4-Trichlorobenzene	6.6 U	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	20 U	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Acenaphthene	20 U	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	740	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Benzo(a)anthracene	95	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	3,000	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Chrysene	120	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	3,400	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Dibenzofuran	20 U	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	750	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Fluoranthene	200	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	18,000	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Fluorene	20 U	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	1,700	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Hexachlorobenzene	6.6 U	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	20 U	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Indeno(1,2,3-cd)pyrene	20	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	660	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Phenanthrene	79	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	16,000	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Total HPAH (calc'd)	860	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	41,000	2.7	
SurfaceSedimentRound1	LDW-SS94	LDW-SS94-010	1/21/05	Total LPAH (calc'd)	105	µg/kg dw	EPA SI	DR175	SD-DR175-0000	8/20/98	20,000	2.7	
SurfaceSedimentRound1	LDW-SS102	LDW-SS102-010	1/24/05	1,2,4-Trichlorobenzene	6.4 U	µg/kg dw	EPA SI	DR198	SD-DR198-0000	8/20/98	20 U	3.0	
SurfaceSedimentRound1	LDW-SS102	LDW-SS102-010	1/24/05	Hexachlorobenzene	3.2 UJ	µg/kg dw	EPA SI	DR198	SD-DR198-0000	8/20/98	690	3.0	
SurfaceSedimentRound1	LDW-SS104	LDW-SS104-010	1/25/05	1,2,4-Trichlorobenzene	6.6 U	µg/kg dw	EPA SI	DR202	SD-DR202-0000	8/27/98	20 U	3.1	
SurfaceSedimentRound1	LDW-SS104	LDW-SS104-010	1/25/05	Hexachlorobenzene	0.97 U	µg/kg dw	EPA SI	DR202	SD-DR202-0000	8/27/98	20 U	3.1	
SurfaceSedimentRound1	LDW-SS104	LDW-SS104-010	1/25/05	Phenol	58 U	µg/kg dw	EPA SI	DR202	SD-DR202-0000	8/27/98	1,400	3.1	

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Event	Newer Sample					Older Sample					RM	
	Location	Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	
SurfaceSedimentRound1	LDW-SS15	LDW-SS15-010	1/17/05	1,2,4-Trichlorobenzene	20 U	µg/kg dw	EPA SI	DR079	SD-DR079-0000	8/24/98	20 U	3.3
SurfaceSedimentRound1	LDW-SS15	LDW-SS15-010	1/17/05	Bis(2-ethylhexyl)phthalate	64 U	µg/kg dw	EPA SI	DR079	SD-DR079-0000	8/24/98	1,100	3.3
SurfaceSedimentRound1	LDW-SS15	LDW-SS15-010	1/17/05	Hexachlorobenzene	20 U	µg/kg dw	EPA SI	DR079	SD-DR079-0000	8/24/98	20 U	3.3
SurfaceSedimentRound1	LDW-SS15	LDW-SS15-010	1/17/05	Mercury	0.6	mg/kg dw	EPA SI	DR079	SD-DR079-0000	8/24/98	0.25	3.3
T117BoundaryDefinition	T117-SE-10-G	T117-SE10-SG	12/8/03	PCBs (total calc'd)	1,200	µg/kg dw	NOAA SiteChar	WST323	WST09-02	10/21/97	7,900 J	3.5
JorgensenAugust2004	SD-309-S	SD-309-0000	8/16/04	PCBs (total calc'd)	570	µg/kg dw	NOAA SiteChar	EST152	EST11-03	9/24/97	290	3.6
JorgensenAugust2004	SD-320-S	SD-320-0000	8/16/04	PCBs (total calc'd)	8,900	µg/kg dw	Plant 2 RFI-2b	SD-DUW92	SD2B-DUW92-0000	4/2/96	1,500	3.6
JorgensenAugust2004	SD-334-S	SD-334-0000	8/26/04	PCBs (total calc'd)	290	µg/kg dw	NOAA SiteChar	EST154	EST11-04	9/24/97	150	3.6
JorgensenAugust2004	SD-343-S	SD-343-0000	8/27/04	PCBs (total calc'd)	260 J	µg/kg dw	Plant 2 RFI-2b	SD-DUW90	SD2B-DUW90-0000	4/4/96	7,500	3.6
SurfaceSedimentRound1	LDW-SS110	LDW-SS110-010	1/25/05	Chromium	181	mg/kg dw	JorgensenAugust2004	SD-323-S	SD-323-0000	8/17/04	1,070 J	3.6
SurfaceSedimentRound1	LDW-SS110	LDW-SS110-010	1/25/05	Hexachlorobenzene	6.4 U	µg/kg dw	JorgensenAugust2004	SD-323-S	SD-323-0000	8/17/04	20 U	3.6
SurfaceSedimentRound1	LDW-SS110	LDW-SS110-010	1/25/05	Lead	870	mg/kg dw	JorgensenAugust2004	SD-323-S	SD-323-0000	8/17/04	2,350	3.6
SurfaceSedimentRound1	LDW-SS110	LDW-SS110-010	1/25/05	Nickel	131	mg/kg dw	JorgensenAugust2004	SD-323-S	SD-323-0000	8/17/04	144	3.6
SurfaceSedimentRound1	LDW-SS110	LDW-SS110-010	1/25/05	PCBs (total calc'd)	13,000	µg/kg dw	JorgensenAugust2004	SD-323-S	SD-323-0000	8/17/04	9,400 J	3.6
SurfaceSedimentRound1	LDW-SS110	LDW-SS110-010	1/25/05	Phenol	59 U	µg/kg dw	JorgensenAugust2004	SD-323-S	SD-323-0000	8/17/04	840	3.6
SurfaceSedimentRound1	LDW-SS110	LDW-SS110-010	1/25/05	Zinc	385	mg/kg dw	JorgensenAugust2004	SD-323-S	SD-323-0000	8/17/04	1,590	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	1,2,4-Trichlorobenzene	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	5.6 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	1,2-Dichlorobenzene	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	2.8 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	1,3-Dichlorobenzene	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	2.8 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	1,4-Dichlorobenzene	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	2.8 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	2,4-Dimethylphenol	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	20 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	2-Methylphenol	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	20 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Benzoic acid	2,000 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	200 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Benzyl alcohol	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	50 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Butyl benzyl phthalate	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	30	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Chromium	455	mg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	180	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Fluorene	640	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	300	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Hexachlorobenzene	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	20 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Hexachlorobutadiene	200 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	5.6 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Lead	635	mg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	150	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Nickel	387	mg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	96	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	PCBs (total calc'd)	3,200 J	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	1,180	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Pentachlorophenol	1,000 U	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	100 U	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Phenanthrene	3,200	µg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	1,700	3.6
SurfaceSedimentRound1	LDW-SS111	LDW-SS111-010	1/19/05	Zinc	460	mg/kg dw	EPA SI	DR186	SD-DR186-0000	8/27/98	240	3.6
Plant 2-TransformerPhase1	SD-SWY17	SWY17	9/9/03	PCBs (total calc'd)	460	µg/kg dw	Plant 2 RFI-1	SD-SWY07	SD-SWY07-0000	6/13/95	320	3.6
SurfaceSedimentRound1	LDW-SS113b	LDW-SS113b-010	1/20/05	1,2,4-Trichlorobenzene	6.5 U	µg/kg dw	Boeing SiteChar	R21	SD0009	10/9/97	20 U	3.7
SurfaceSedimentRound1	LDW-SS113b	LDW-SS113b-010	1/20/05	PCBs (total calc'd)	18 J	µg/kg dw	Boeing SiteChar	R21	SD0009	10/9/97	200	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	1,2,4-Trichlorobenzene	200 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	4.6 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	1,2-Dichlorobenzene	200 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	2.3 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	1,3-Dichlorobenzene	200 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	2.3 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	1,4-Dichlorobenzene	200 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	2.3 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	2,4-Dimethylphenol	200 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	20 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	2-Methylphenol	200 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	20	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Acenaphthene	150 J	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	440	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Benzo(a)anthracene	1,500	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	4,800	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Benzo(a)pyrene	1,700	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	3,700	3.7

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Event	Location	Sample	Sampling Date	Newer Sample				Older Sample				RM
				Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Benzo(g,h,i)perylene	490	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	2,300	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Benzofluoranthenes (total-calc'd)	3,600	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	7,300	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Benzoic acid	2,000 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	200 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Benzyl alcohol	200 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	50 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Bis(2-ethylhexyl)phthalate	330	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	1,500	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Butyl benzyl phthalate	200 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	50	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Chrysene	2,500	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	4,100	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	DDTs (total-calc'd)	20 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	10 UJ	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Dibenzo(a,h)anthracene	240	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	950	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Fluoranthene	5,200	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	8,800	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Fluorene	180 J	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	530	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Hexachlorobenzene	0.98 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	20 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Indeno(1,2,3-cd)pyrene	600	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	2,900	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	PCBs (total calc'd)	220	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	240	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Pentachlorophenol	980 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	100 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Phenanthrene	2,400	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	6,300	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Total Chlordane (calc'd)	15 U	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	5.0 U	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Total HPAH (calc'd)	19,000	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	45,000	3.7
SurfaceSedimentRound1	LDW-SS115	LDW-SS115-010	1/25/05	Total LPAH (calc'd)	3,100 J	µg/kg dw	EPA SI	DR187	SD-DR187-0000	8/27/98	8,300	3.7
SurfaceSedimentRound1	LDW-SS117	LDW-SS117-010	1/20/05	1,2,4-Trichlorobenzene	6.6 U	µg/kg dw	Boeing SiteChar	R24	SD0013	10/10/97	19 U	3.8
SurfaceSedimentRound1	LDW-SS117	LDW-SS117-010	1/20/05	Bis(2-ethylhexyl)phthalate	140	µg/kg dw	Boeing SiteChar	R24	SD0013	10/10/97	940	3.8
SurfaceSedimentRound1	LDW-SS117	LDW-SS117-010	1/20/05	Hexachlorobenzene	6.6 U	µg/kg dw	Boeing SiteChar	R24	SD0013	10/10/97	1.0 U	3.8
SurfaceSedimentRound1	LDW-SS119	LDW-SS119-010	1/19/05	1,2,4-Trichlorobenzene	6.6 U	µg/kg dw	Boeing SiteChar	R30	SD0021	10/11/97	20 U	3.8
SurfaceSedimentRound1	LDW-SS119	LDW-SS119-010	1/19/05	Butyl benzyl phthalate	140	µg/kg dw	Boeing SiteChar	R30	SD0021	10/11/97	290	3.8
SurfaceSedimentRound1	LDW-SS119	LDW-SS119-010	1/19/05	Hexachlorobenzene	6.6 U	µg/kg dw	Boeing SiteChar	R30	SD0021	10/11/97	1.0 U	3.8
SurfaceSedimentRound1	LDW-SS119	LDW-SS119-010	1/19/05	PCBs (total calc'd)	880 J	µg/kg dw	Boeing SiteChar	R30	SD0021	10/11/97	1,250 J	3.8
SurfaceSedimentRound1	LDW-SS121	LDW-SS121-010	1/25/05	PCBs (total calc'd)	1,060 J	µg/kg dw	NOAA SiteChar	EIT061	EIT06-02	9/29/97	2,400 J	3.9
SurfaceSedimentRound1	LDW-SS123	LDW-SS123-010	1/24/05	PCBs (total calc'd)	134	µg/kg dw	NOAA SiteChar	EST144	EST09-04	9/25/97	1,500 J	3.9
SurfaceSedimentRound1	LDW-SS123	LDW-SS203-010	1/24/05	PCBs (total calc'd)	162	µg/kg dw	NOAA SiteChar	EST144	EST09-04	9/25/97	1,500 J	3.9
SurfaceSedimentRound1	LDW-SS125	LDW-SS125-010	1/20/05	Benzyl alcohol	33 U	µg/kg dw	EPA SI	DR238	SD-DR238-0000	8/27/98	130	4.0
SurfaceSedimentRound1	LDW-SS125	LDW-SS125-010	1/20/05	Hexachlorobenzene	0.97 U	µg/kg dw	EPA SI	DR238	SD-DR238-0000	8/27/98	20 U	4.0
SurfaceSedimentRound1	LDW-SS126	LDW-SS126-010	1/20/05	1,2,4-Trichlorobenzene	6.6 U	µg/kg dw	Rhone-Poulenc RFI-2	A11-05	RPL-A11-05-02	8/18/94	16 U	4.1
SurfaceSedimentRound1	LDW-SS126	LDW-SS126-010	1/20/05	DDTs (total-calc'd)	2.0 U	µg/kg dw	Rhone-Poulenc RFI-2	A11-05	RPL-A11-05-02	8/18/94	139	4.1
SurfaceSedimentRound1	LDW-SS126	LDW-SS126-010	1/20/05	DDTs (total-calc'd)	2.0 U	µg/kg dw	Rhone-Poulenc RFI-2	A11-05	RPL-A11-10-02	8/18/94	144	4.1
SurfaceSedimentRound1	LDW-SS126	LDW-SS126-010	1/20/05	Hexachlorobenzene	0.99 U	µg/kg dw	Rhone-Poulenc RFI-2	A11-05	RPL-A11-05-02	8/18/94	16 U	4.1
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	1,2,4-Trichlorobenzene	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 U	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	1,2-Dichlorobenzene	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 U	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	1,3-Dichlorobenzene	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 U	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	1,4-Dichlorobenzene	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 UJ	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	2,4-Dimethylphenol	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 U	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	2-Methylphenol	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 U	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Acenaphthene	24	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	3,300	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Anthracene	60	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	9,300	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Benzo(a)anthracene	400	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	21,000	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Benzo(a)pyrene	450	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	21,000	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Benzo(g,h,i)perylene	170	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	14,000	4.2
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Benzofluoranthenes (total-calc'd)	1,150	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	32,000	4.2

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Event	Location	Newer Sample			Older Sample			Event	Location	Newer Sample			Older Sample		
		Sample ID	Sampling Date	Analyte	Result	Unit	Event	Location	Sample ID	Sampling Date	Result	Unit	Sample ID	Sampling Date	Result
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Benzoic acid	200 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	2,000 U	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Benzyl alcohol	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 UJ	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Bis(2-ethylhexyl)phthalate	140	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	1,400	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Butyl benzyl phthalate	20	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 U	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Chrysene	690	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	21,000	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Dibenz(a,h)anthracene	28	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	7,200	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Dibenzofuran	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	2,300	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Fluoranthene	1,100	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	62,000	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Fluorene	32	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	4,400	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Hexachlorobutadiene	0.99 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	200 U	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Indeno(1,2,3-cd)pyrene	200	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	15,000	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	N-Nitrosodiphenylamine	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	2,000 U	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Phenanthrene	530	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	43,000	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Phenol	20 U	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	2,000 U	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Pyrene	910	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	48,000	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Total HPAH (calc'd)	5,100	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	241,000	4.2			
SurfaceSedimentRound1	LDW-SS127	LDW-SS127-010	1/20/05	Total LPAH (calc'd)	650	µg/kg dw	Boeing SiteChar	R40	SD0032	10/13/97	60,000	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	1,2,4-Trichlorobenzene	6.4 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	110 U	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	1,2-Dichlorobenzene	6.4 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	110 U	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	1,4-Dichlorobenzene	6.4 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	110 UJ	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	2,4-Dimethylphenol	6.4 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	110 U	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	2-Methylphenol	6.4 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	110 U	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Acenaphthene	34	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	520	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Benzo(a)anthracene	490	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	5,000	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Benzo(a)pyrene	580	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	5,700	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Benzo(g,h,i)perylene	300	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	3,900	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Benzofluoranthenes (total-calc'd)	1,430	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	11,200	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Benzoic acid	64 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	1,100 U	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Benzyl alcohol	20 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	110 UJ	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Chrysene	910	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	6,800	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Dibenzo(a,h)anthracene	110	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	2,000	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Dibenzofuran	20 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	470	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Fluoranthene	1,500	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	17,000	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Fluorene	42	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	730	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Hexachlorobutadiene	0.96 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	110 U	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Indeno(1,2,3-cd)pyrene	340	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	4,300	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	N-Nitrosodiphenylamine	6.4 U	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	560 U	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Phenanthrene	790	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	8,300	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Total HPAH (calc'd)	6,800	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	69,000	4.2			
SurfaceSedimentRound1	LDW-SS129	LDW-SS129-010	1/20/05	Total LPAH (calc'd)	930	µg/kg dw	Boeing SiteChar	R42	SD0033	10/13/97	10,800	4.2			
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Acenaphthene	20 U	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	420	4.2			
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Benzo(a)anthracene	220	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	3,000	4.2			
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Benzo(a)pyrene	260	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	3,400	4.2			
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Benzo(g,h,i)perylene	86	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	1,300	4.2			
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Bis(2-ethylhexyl)phthalate	72	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	1,200	4.2			
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Chrysene	400	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	3,700	4.2			
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Dibenzo(a,h)anthracene	20 U	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	640	4.2			

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Newer Sample							Older Sample						
Event	Location	Sample	Sampling Date	Analyte	Result	Unit	Event	Location	Sample	Sampling Date	Result	RM	
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Fluoranthene	700	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	8,200	4.2	
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Indeno(1,2,3-cd)pyrene	100	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	2,700	4.2	
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Phenanthrene	280	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	4,900	4.2	
SurfaceSedimentRound1	LDW-SS130	LDW-SS130-010	1/20/05	Total HPAH (calc'd)	2,940	µg/kg dw	Boeing SiteChar	R45	SD0070	10/16/97	24,200	4.2	
RhonePoulenc2004	SB-1	Upper SB-01	8/25/04	Benz(o,g,h,i)perylene	1,100	µg/kg dw	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	20 U	4.2	
RhonePoulenc2004	SB-1	Upper SB-01	8/25/04	Benzoic acid	3,000 UJ	µg/kg dw	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	200 U	4.2	
RhonePoulenc2004	SB-1	Upper SB-01	8/25/04	Bis(2-ethylhexyl)phthalate	1,600	µg/kg dw	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	620	4.2	
RhonePoulenc2004	SB-1	Upper SB-01	8/25/04	Dibenzo(a,h)anthracene	700 J	µg/kg dw	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	100	4.2	
RhonePoulenc2004	SB-1	Upper SB-01	8/25/04	Fluoranthene	4,800	µg/kg dw	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	2,000	4.2	
RhonePoulenc2004	SB-1	Upper SB-01	8/25/04	Indeno(1,2,3-cd)pyrene	1,200	µg/kg dw	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	180	4.2	
RhonePoulenc2004	SB-1	Upper SB-01	8/25/04	Pentachlorophenol	3,000 U	µg/kg dw	EPA SI	DR242	SD-DR242-0000-CC	8/24/98	100 U	4.2	
LDWR1-Benthic	B10b	LDW-B10b-S	8/19/04	1,2,4-Trichlorobenzene	6.4 U	µg/kg dw	EPA SI	DR286	SD-DR286-0000-CC	8/26/98	20 U	4.3	
LDWR1-Benthic	B10b	LDW-B10b-S	8/19/04	Hexachlorobenzene	1.0 U	µg/kg dw	EPA SI	DR286	SD-DR286-0000-CC	8/26/98	20 U	4.3	
SurfaceSedimentRound2	LDW-SS148	LDW-SS148-010	3/9/05	Butyl benzyl phthalate	24	µg/kg dw	EPA SI	DR271	SD-DR271-0000	9/15/98	300	4.7	
SurfaceSedimentRound2	LDW-SS148	LDW-SS148-010	3/9/05	Hexachlorobenzene	6.4 U	µg/kg dw	EPA SI	DR271	SD-DR271-0000	9/15/98	20 U	4.7	
SurfaceSedimentRound2	LDW-SS148	LDW-SS148-010	3/9/05	PCBs (total calc'd)	520	µg/kg dw	EPA SI	DR271	SD-DR271-0000	9/15/98	9,400	4.7	
Norfolk-monit4	NFK501	L20703-2	4/24/01	Butyl benzyl phthalate	58	µg/kg dw	Norfolk-monit1	NFK501	L15421-1	4/23/99	21 U	4.9	
Norfolk-monit4	NFK501	L20703-2	4/24/01	Hexachlorobutadiene	1.1 UJ	µg/kg dw	Norfolk-monit1	NFK501	L15421-1	4/23/99	35 UJ	4.9	
Norfolk-monit4	NFK501	L20703-2	4/24/01	N-Nitrosodiphenylamine	31 U	µg/kg dw	Norfolk-monit1	NFK501	L15421-1	4/23/99	35 U	4.9	
Norfolk-monit5	NFK503	L23995-6	4/30/02	PCBs (total calc'd)	777 J	µg/kg dw	Norfolk-monit2a	NFK503	L16628-6	10/8/99	190	4.9	
Norfolk-monit5	NFK503	L23995-6	4/30/02	PCBs (total calc'd)	777 J	µg/kg dw	Norfolk-monit3	NFK503	L17647-6	4/6/00	180	4.9	
Norfolk-monit5	NFK503	L23995-6	4/30/02	PCBs (total calc'd)	777 J	µg/kg dw	Norfolk-monit4	NFK503	L20703-6	4/24/01	1,330	4.9	
Norfolk-monit5	NFK503	L23995-6	4/30/02	N-Nitrosodiphenylamine	40 U	µg/kg dw	Norfolk-monit3	NFK503	L17647-6	4/6/00	37 U	4.9	
Norfolk-monit5	NFK503	L23995-6	4/30/02	N-Nitrosodiphenylamine	40 U	µg/kg dw	Norfolk-monit2a	NFK503	L16628-6	10/8/99	37 U	4.9	
Norfolk-monit5	NFK503	L23995-6	4/30/02	Hexachlorobutadiene	1.5 U	µg/kg dw	Norfolk-monit3	NFK503	L17647-6	4/6/00	37 U	4.9	
Norfolk-monit5	NFK503	L23995-6	4/30/02	Hexachlorobutadiene	1.5 U	µg/kg dw	Norfolk-monit2a	NFK503	L16628-6	10/8/99	37 UJ	4.9	
Norfolk-monit5	NFK503	L23995-6	4/30/02	2,4-Dimethylphenol	14 U	µg/kg dw	Norfolk-monit2a	NFK503	L16628-6	10/8/99	37 U	4.9	
Ecology-Norfolk	4	288133	7/9/02	PCBs (total calc'd)	7,600 J	µg/kg dw	Norfolk-cleanup1	NFK002	L4321-2	8/18/94	21 U	4.9	
Ecology-Norfolk	5	288134	7/9/02	PCBs (total calc'd)	270 J	µg/kg dw	Boeing SiteChar	R87	SD0079	10/18/97	107	4.9	
Ecology-Norfolk	5	288134	7/9/02	PCBs (total calc'd)	270 J	µg/kg dw	Norfolk-monit2b	NFK506	L17311-1	2/10/00	7,900	4.9	
Ecology-Norfolk	7	288136	7/9/02	PCBs (total calc'd)	4,600 J	µg/kg dw	Boeing SiteChar	R87	SD0079	10/18/97	107	4.9	
Ecology-Norfolk	7	288136	7/9/02	PCBs (total calc'd)	4,600 J	µg/kg dw	Norfolk-monit2b	NFK506	L17311-1	2/10/00	7,900	4.9	
Ecology-Norfolk	7	288148	7/9/02	PCBs (total calc'd)	5,900 J	µg/kg dw	Boeing SiteChar	R87	SD0079	10/18/97	107	4.9	
Ecology-Norfolk	7	288148	7/9/02	PCBs (total calc'd)	5,900 J	µg/kg dw	Norfolk-monit2b	NFK506	L17311-1	2/10/00	7,900	4.9	
Norfolk-monit7	NFK501	L31635-2	4/5/04	PCBs (total calc'd)	470 J	µg/kg dw	Ecology-Norfolk	13	288142	7/9/02	60 J	4.9	
Norfolk-monit7	NFK501	L31635-2	4/5/04	PCBs (total calc'd)	470 J	µg/kg dw	Ecology-Norfolk	17	288146	7/9/02	42 J	4.9	
Norfolk-monit7	NFK502	L31635-4	4/5/04	Hexachlorobutadiene	0.94 U	µg/kg dw	Norfolk-monit2a	NFK502	L16628-4	10/8/99	38 U	4.9	
Norfolk-monit7	NFK502	L31635-4	4/5/04	Hexachlorobutadiene	0.94 U	µg/kg dw	Norfolk-monit3	NFK502	L17647-4	4/6/00	37 U	4.9	
Norfolk-monit7	NFK502	L31635-4	4/5/04	N-Nitrosodiphenylamine	7.5 U	µg/kg dw	Norfolk-monit2a	NFK502	L16628-4	10/8/99	38 U	4.9	
Norfolk-monit7	NFK502	L31635-4	4/5/04	N-Nitrosodiphenylamine	7.5 U	µg/kg dw	Norfolk-monit3	NFK502	L17647-4	4/6/00	37 U	4.9	
Norfolk-monit7	NFK502	L31635-4	4/5/04	N-Nitrosodiphenylamine	7.5 U	µg/kg dw	Norfolk-monit4	NFK502	L20703-4	4/24/01	30 U	4.9	
Norfolk-monit7	NFK502	L31635-4	4/5/04	2,4-Dimethylphenol	na	na	Norfolk-monit2a	NFK502	L16628-4	10/8/99	38 U	4.9	
Norfolk-monit7	NFK503	L31635-6	4/5/04	PCBs (total calc'd)	470 J	µg/kg dw	Ecology-Norfolk	10	288139	7/9/02	47 J	4.9	
Norfolk-monit7	NFK503	L31635-6	4/5/04	PCBs (total calc'd)	470 J	µg/kg dw	Norfolk-monit2b	NFK503	L17315-3	2/8/00	180	4.9	
Norfolk-monit7	NFK504	L31635-8	4/5/04	Hexachlorobutadiene	1.0 U	µg/kg dw	Norfolk-monit1	NFK504	L15421-4	4/23/99	35 UJ	4.9	
Norfolk-monit7	NFK504	L31635-8	4/5/04	Hexachlorobutadiene	1.0 U	µg/kg dw	Norfolk-monit3	NFK504	L17647-8	4/6/00	36 U	4.9	
Norfolk-monit7	NFK504	L31635-8	4/5/04	N-Nitrosodiphenylamine	8.0 U	µg/kg dw	Norfolk-monit1	NFK504	L15421-4	4/23/99	35 U	4.9	

Criteria for Defining Baseline Surface Sediment Dataset

Table B-1

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Table B-1. Chemistry data exceeding SQS/SL or CSL/ML from samples superseding older samples collected within 10 ft of each other

Newer Sample							Older Sample						
Event ID	Location	Sample ID	Sampling Date	Analyte	Method	Result	Unit	Event ID	Location	Sample ID	Sampling Date	Result	Method
Norfolk-monit7	NFK504	L31635-8	4/5/04	N-Nitrosodiphenylamine	8.0 U	µg/kg dw	Norfolk-monit3	NFK504	L17647-8	4/6/00	36 U	4.9	4.9

Results shown in bold exceed the applicable SQS or SL. Results shown in bold and italics exceed the applicable CSL or ML.

na = not analyzed

The concentrations are shown in dry weight, although the comparison to criteria was done using organic carbon-normalized concentrations for many chemicals.